

## Part Five Appendix B: Map Designations

The map information and data contained and referenced herein, designate areas within the territorial sea that are subject to section B.4., Resource and Use Inventory and Effects Evaluation and Special Resource and Use Review Standards. The maps delineate areas within the territorial sea based on the resources and uses present within them, and to which the review standards apply. Those area designations are numbered to facilitate locating and identifying individual units. Special conditions that apply to specific area units are defined.

**Renewable Energy Permit Area (REPA)**: these areas are delineated sites for which there is an existing authorization for the development of renewable energy testing, research or facilities. Applications for renewable energy facilities within a REPA must comply with the terms and conditions required by the regulating agency authorization for the site. The total area of renewable energy facility sites authorized as REPA may not exceed three percent of the territorial sea (37.8 sq. miles or 28 sq. nautical miles).  
REPA units: 1 through 2.

**Renewable Energy Facility Suitability Study Area (REFSSA)**: an area wherein there may be ecological resources, or activities relating to commercial fishing sectors, recreational fishing, or individual ports. Renewable energy facilities may be sited within a REFSSA. Renewable energy facility development in these areas is anticipated to have the lowest potential adverse effects on inventoried marine resources and uses within state waters. A renewable energy facility proposal in a REFSSA must comply with Part Five, paragraphs B.4.a through f., and section C, and the applicable regulatory and proprietary requirements of state and federal agencies. The total area for REFSSA may not exceed five percent of the territorial sea (63 sq. miles or 47.5 sq. nautical miles).  
REFSSA units: 1 through 4.

REFSSA\_2 (Nestucca): Restricted to the development of marine renewable energy facilities that do not attract attention such as those that are located under the sea surface.

REFSSA\_3 (Reedsport): The Federal Energy Regulatory Commission has issued a Preliminary Permit (P-13666) to Reedsport OPT Wave Park, LLC, at this site. Should OPT, or a company owning OP, fail to maintain the FERC license, the REFSSA will become a RUCA as determined by the resources and uses inventory data and information for the area.

**Resources and Uses Management Area (RUMA)**: an area wherein there are important or significant ecological resources or areas that are economically important to commercial fishing sectors, recreational fishing, or individual ports. Renewable energy facilities may be sited within a RUMA. Under some circumstances there is a potential for renewable energy facility development to have significant adverse effects on inventoried marine resources and uses within these areas. A project proposal in a RUMA must demonstrate

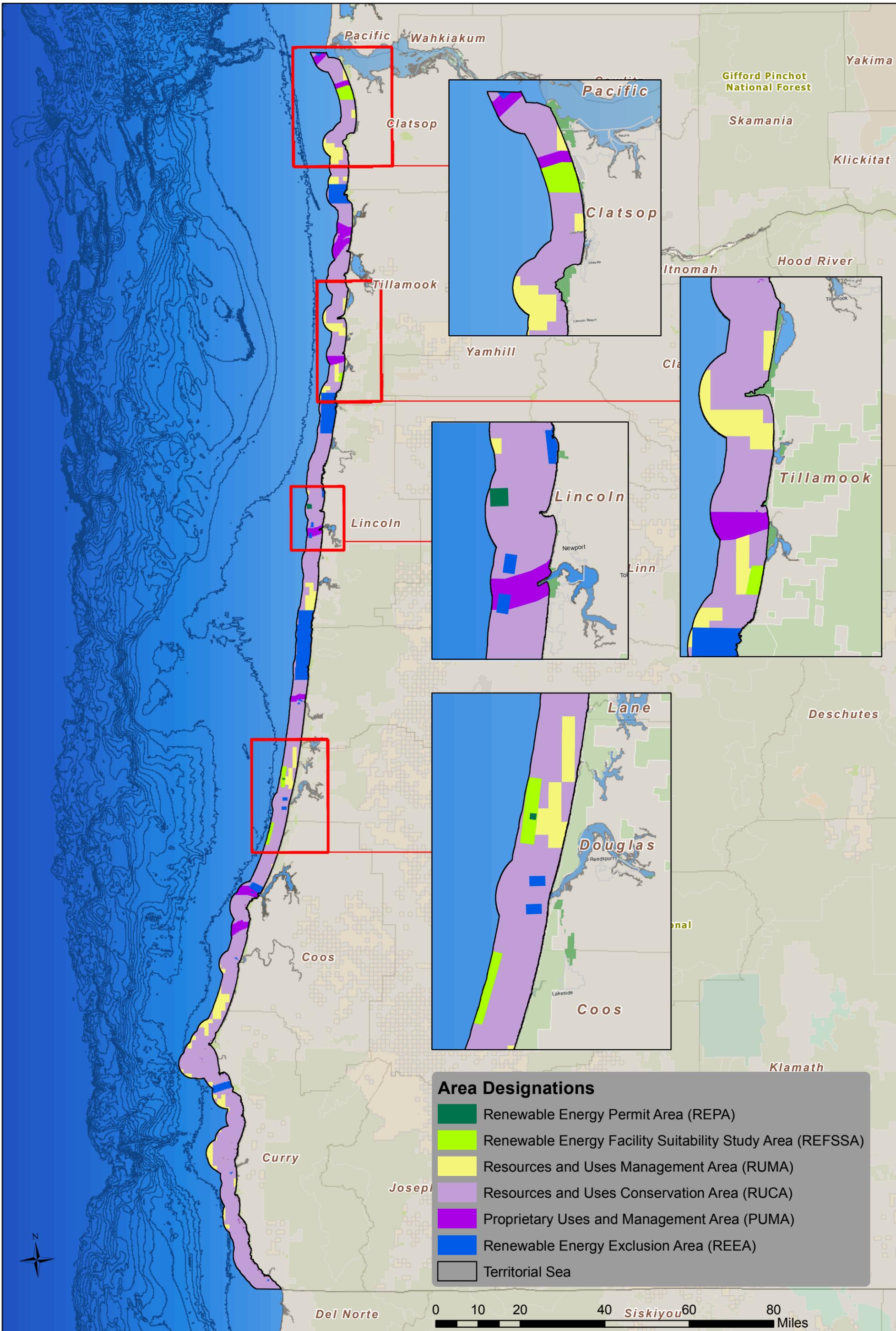
that it will have no significant adverse effects on inventoried marine resources and uses as determined by the standards for protecting those resources and uses in that area.  
RUMA units: 1 through 22.

**Resources and Uses Conservation Area (RUCA)**: an area wherein there are important, significant, or unique (ISU) ecological resources, or an area that is of significant economic importance to commercial fishing sectors, recreational fishing, or individual ports. A renewable energy facility could be sited within a RUCA, though there is a high potential that most types of projects would have significant adverse effects on inventoried marine resources and uses within the area. A project proposal in a RUCA must demonstrate that the it will have no reasonably foreseeable adverse effects on inventoried marine resources and uses as determined by the standards for protecting those resources and uses in that area.  
RUCA units: 1 through 16

**Renewable Energy Exclusion Area (REEA)**: special management areas. These areas contain permitted or managed uses that have some form of exclusive right or authority to exclude, restrict or control other uses in that area, including dredge material disposal sites, marine reserves and marine protected areas. Regulating agencies will not accept renewable energy facility applications within a REEA.  
REEA units: 1 through 13

**Proprietary Use and Management Area (PUMA)**: areas wherein there are authorized uses and special management designations. These areas are subject to some form of authority to restrict or control other uses. Examples of these types of authorizations include undersea fiber-optic or scientific instrumentation, cable corridors, and navigation channel and pilotage safety corridors. Regulating agencies will not accept renewable energy facility applications in these areas unless the use is legally permissible and complies with the authorized use of the area.  
PUMA units: 1 through 8

# Territorial Sea Plan Part Five Appendix B - Plan Map



## Territorial Sea Plan Part Five

### Plan Map Area Designation: Area Unit Identification Index

<b>Area Designations</b>	
<b>AreaType</b>	
	Renewable Energy Permit Area (REPA)
	Renewable Energy Facility Suitability Study Area (REFSSA)
	Resources and Uses Management Area (RUMA)
	Resources and Uses Conservation Area (RUCA)
	Proprietary Uses and Management Area (PUMA)
	Renewable Energy Exclusion Area (REEA)

The area designation units are numbered sequentially from north to south for each area type.

REPA Unit identification: REPA 1 through REPA 2

REFSSA Unit identification: REFSSA 1 through REFSSA 4

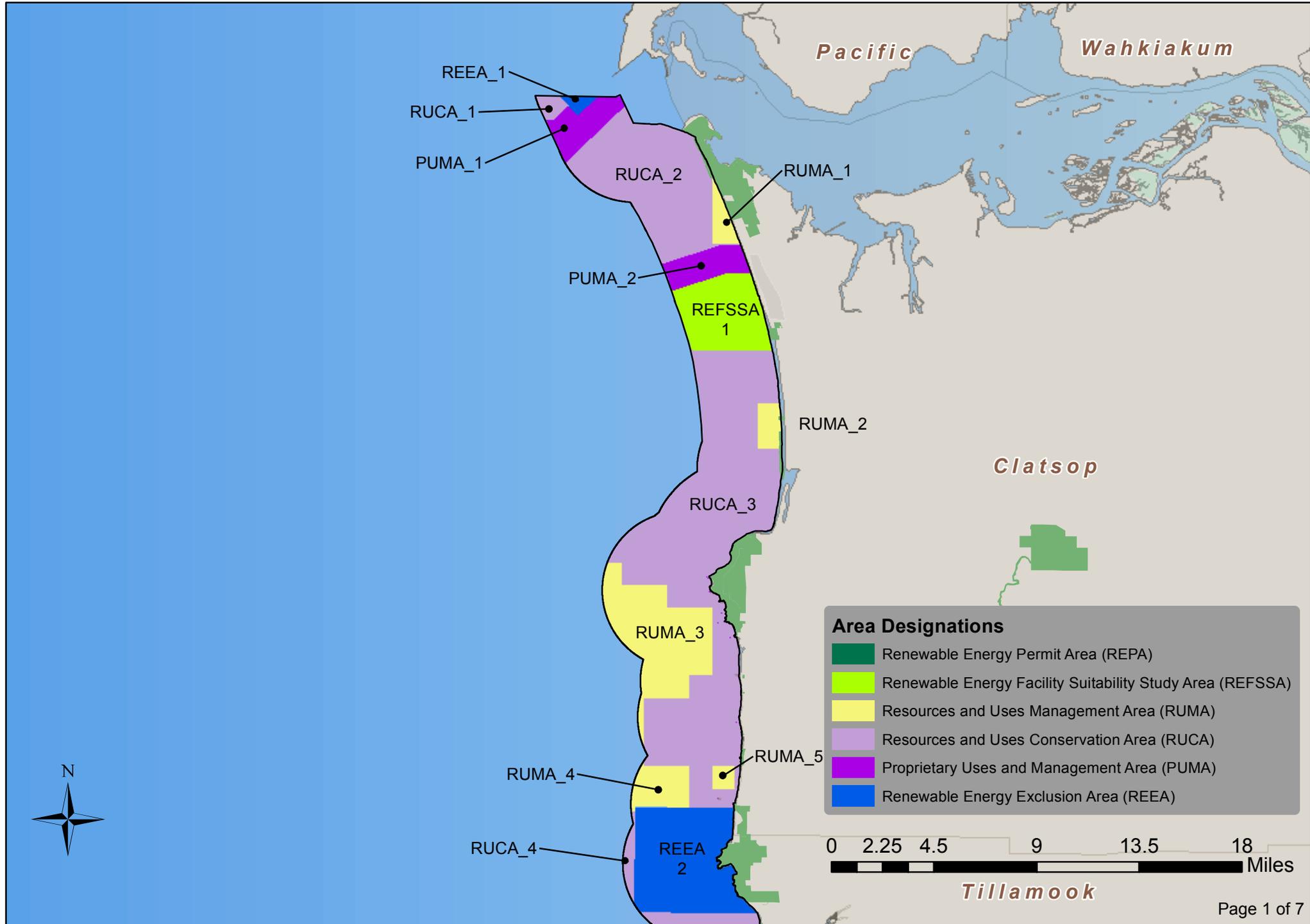
RUMA Unit identification: RUMA 1 through RUMA 22

RUCA Unit identification: RUCA 1 through RUCA 16

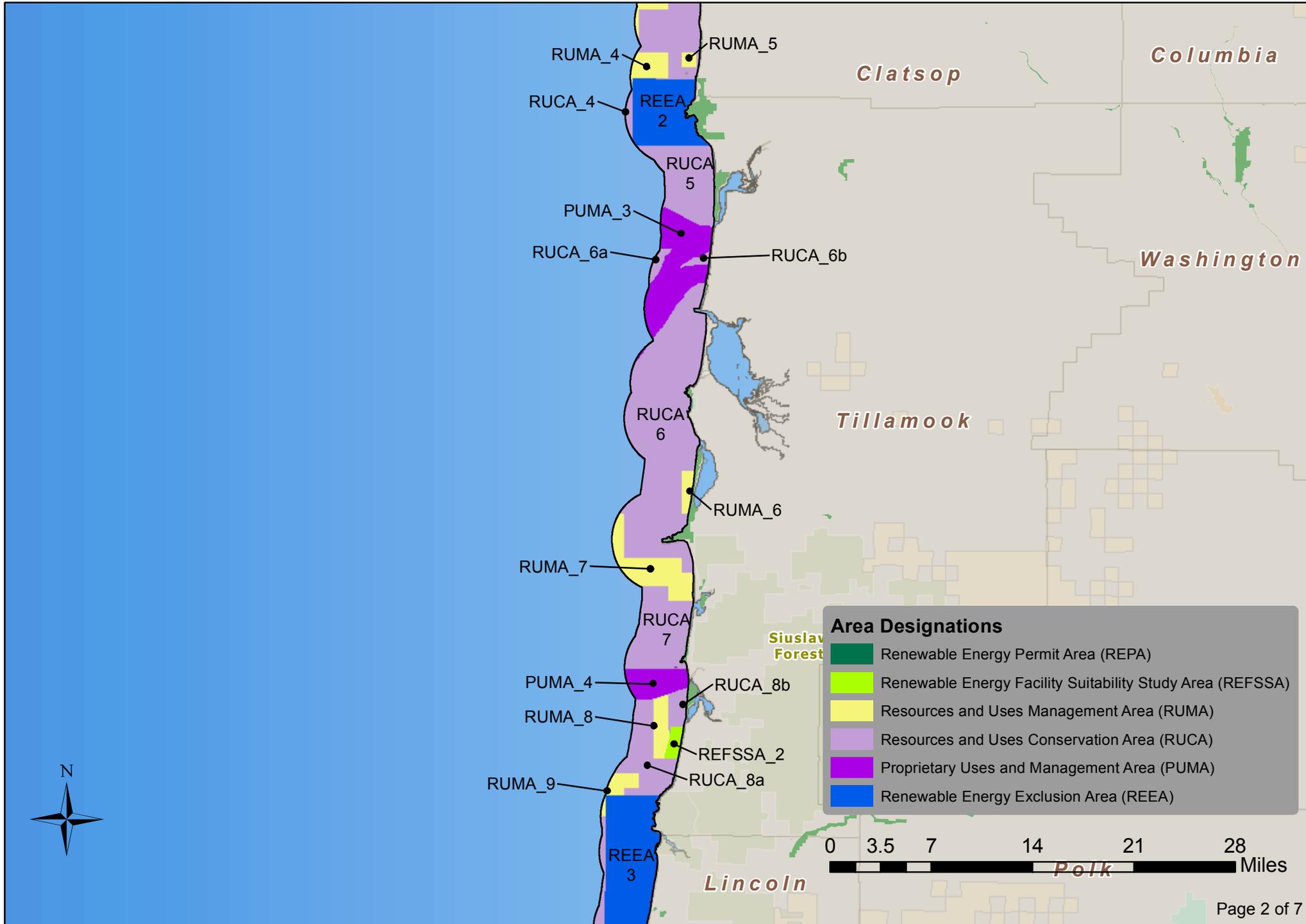
PUMA Unit identification: PUMA 1 through PUMA 8

REEA Unit identification: REEA 1 through REEA 14

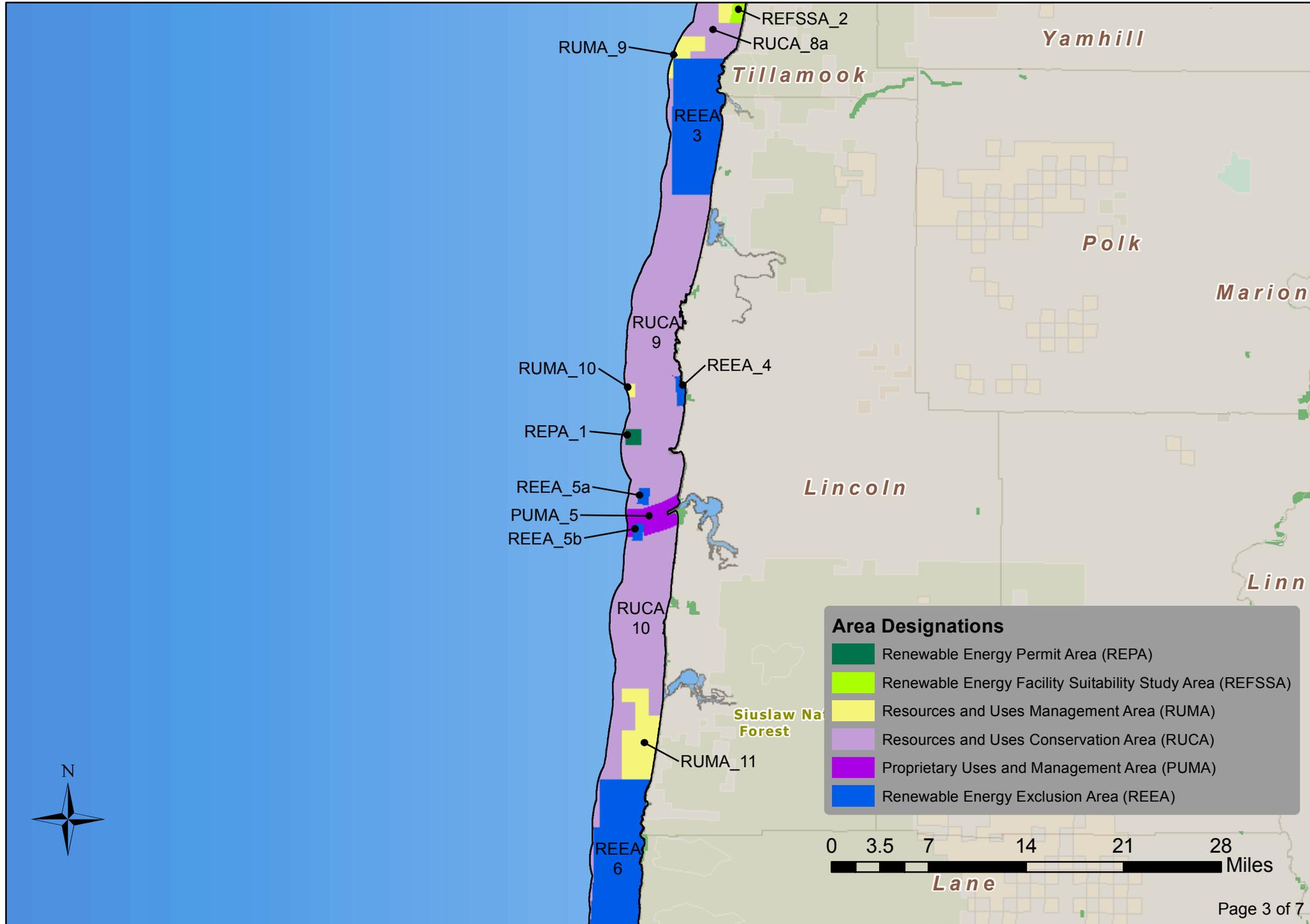
# Territorial Sea Plan Part Five Appendix B - Plan Map Area Designation Index



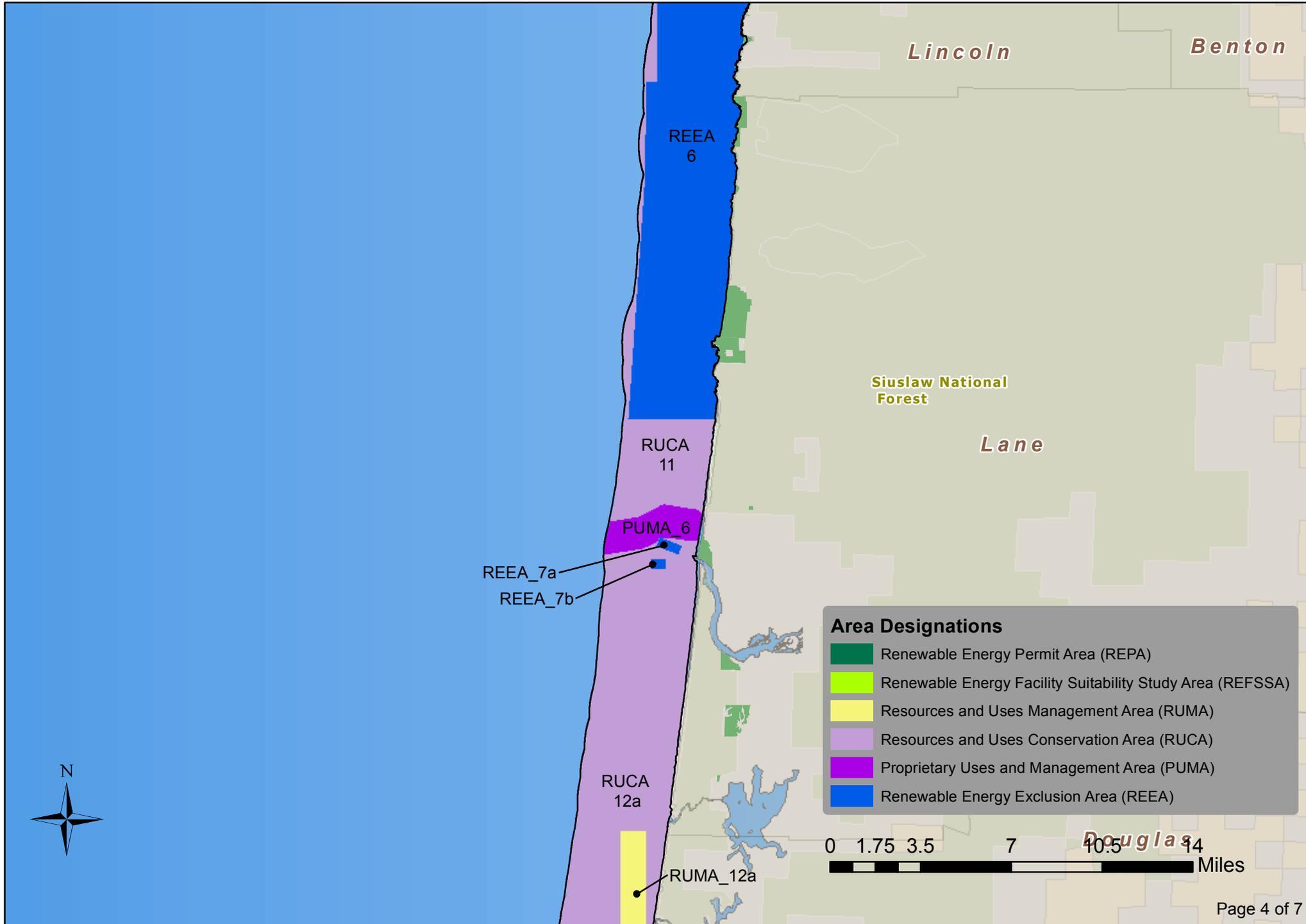
# Territorial Sea Plan Part Five Appendix B - Plan Map Area Designation Index



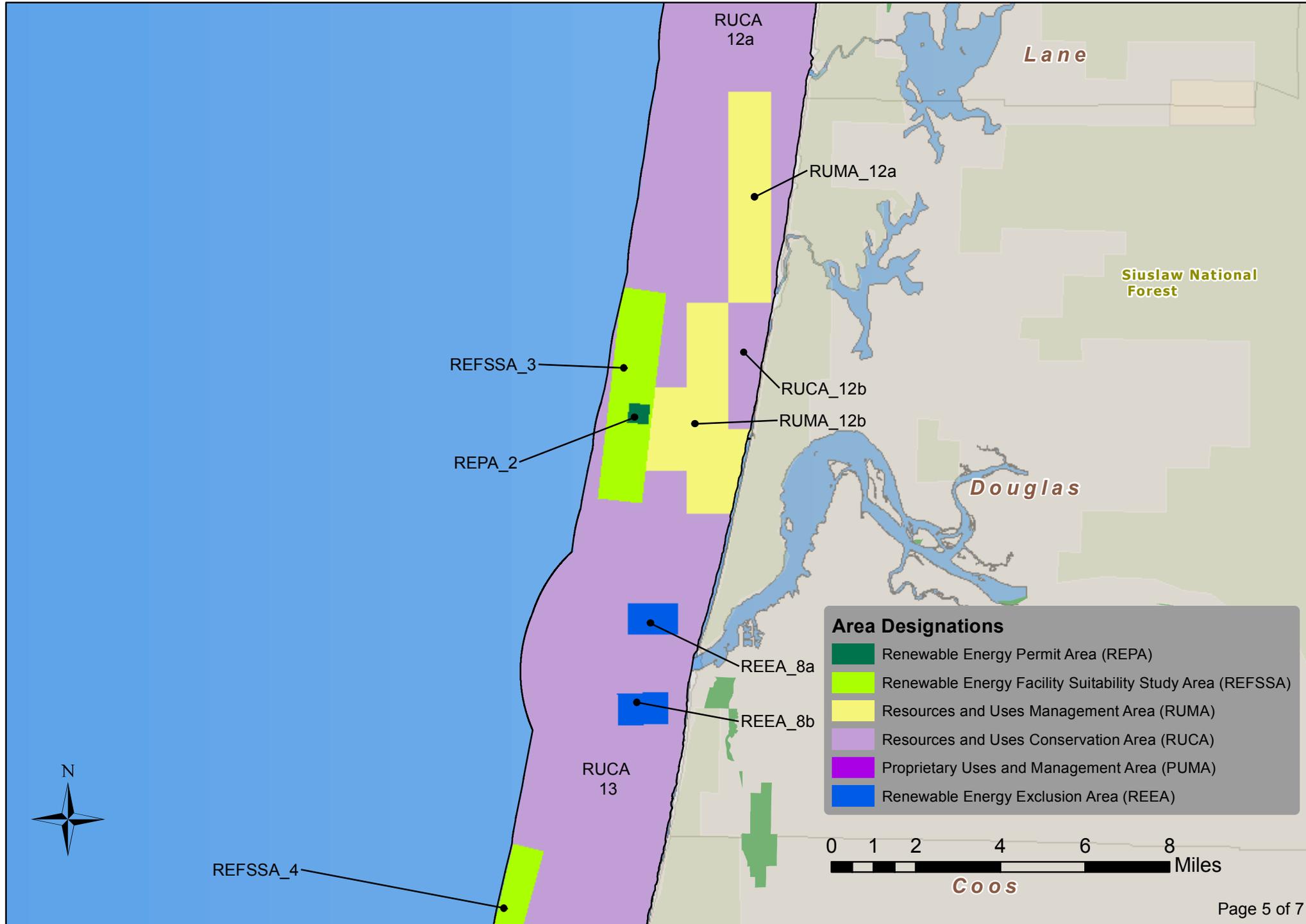
# Territorial Sea Plan Part Five Appendix B - Plan Map Area Designation Index



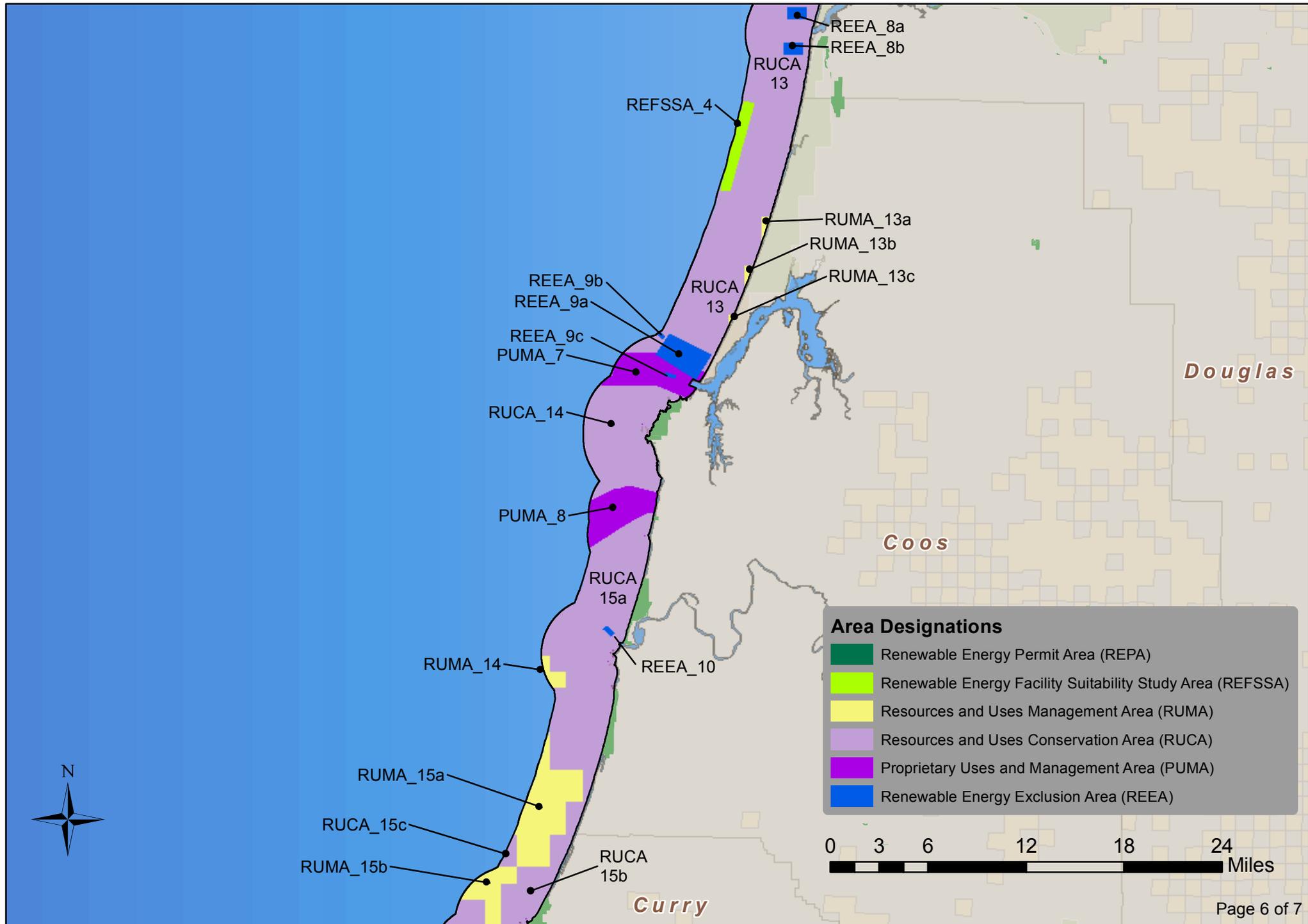
# Territorial Sea Plan Part Five Appendix B - Plan Map Area Designation Index



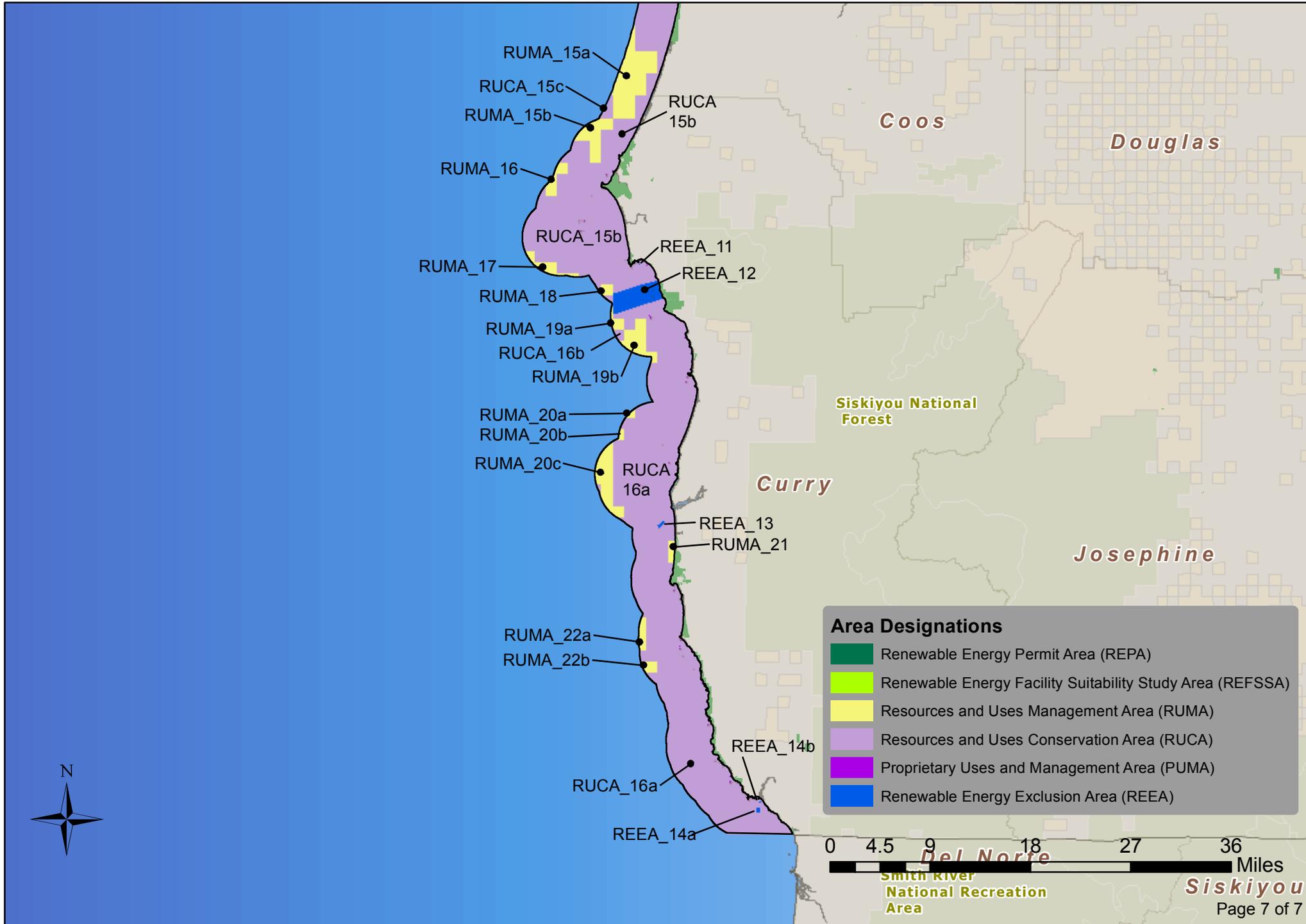
# Territorial Sea Plan Part Five Appendix B - Plan Map Area Designation Index



# Territorial Sea Plan Part Five Appendix B - Plan Map Area Designation Index



# Territorial Sea Plan Part Five Appendix B - Plan Map Area Designation Index



Area Designations	
	Renewable Energy Permit Area (REPA)
	Renewable Energy Facility Suitability Study Area (REFSSA)
	Resources and Uses Management Area (RUMA)
	Resources and Uses Conservation Area (RUCA)
	Proprietary Uses and Management Area (PUMA)
	Renewable Energy Exclusion Area (REEA)

## Territorial Sea Plan Part Five: Resources and Uses Inventory Data Sets

The geospatial data sets for marine resources and uses listed below were used as the basis for delineating the areas that form the Territorial Sea Plan Part Five Plan Map.

### Beneficial Uses Data Sets

- Dredge Material Disposal
- Commercial Shipping Lanes
- Coastal Discharge Outfalls
- National Wildlife Refuges
- NNMREC Test Site
- Submarine Cables
- State Marine Managed Areas
- FERC Preliminary Permits
- Tugboat Towlanes
- Ocean Recreation
- Navigational Aides
- Nearshore Research Inventory
- Visual Resource Management Class Map

### Ecological Resources Data Sets

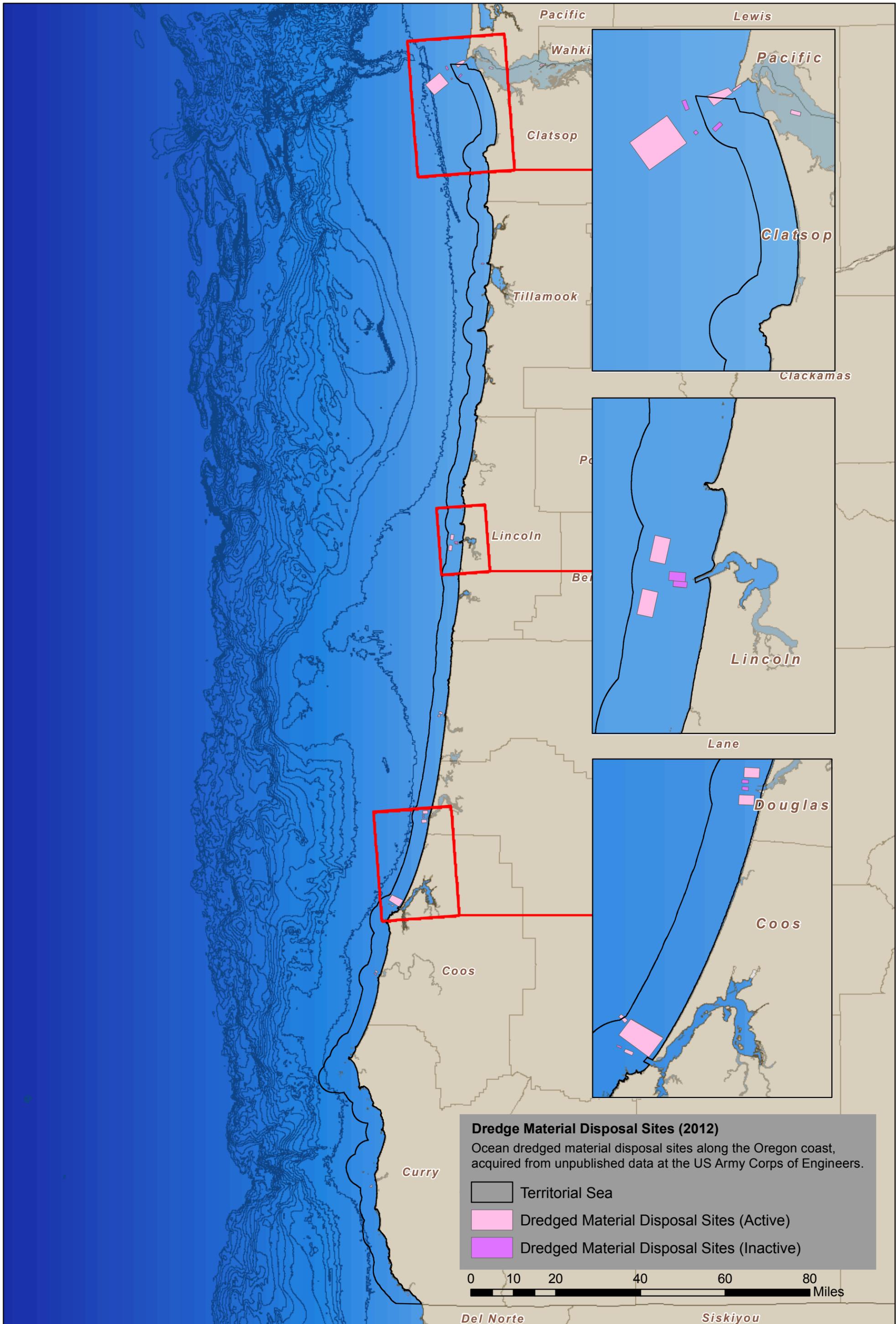
- Canopy Kelp Beds
- Subtidal Rocky Reef
- Rocky Shores Habitat
- Pinniped Haulouts
- Steller Sea Lion Critical Habitat
- Nesting Seabird Colony Locations
- Western Snowy Plover Habitat
- Ecological Hotspots
- Gray Whale Foraging
- Marbled Murrelet Foraging

### Fisheries Use Data Sets

- Multi-sector Area Fishing Grounds Value Maps
- Dungeness Crab Fishing Grounds Port Value Maps
- Dungeness Crab Fishing Grounds Statewide Value Maps

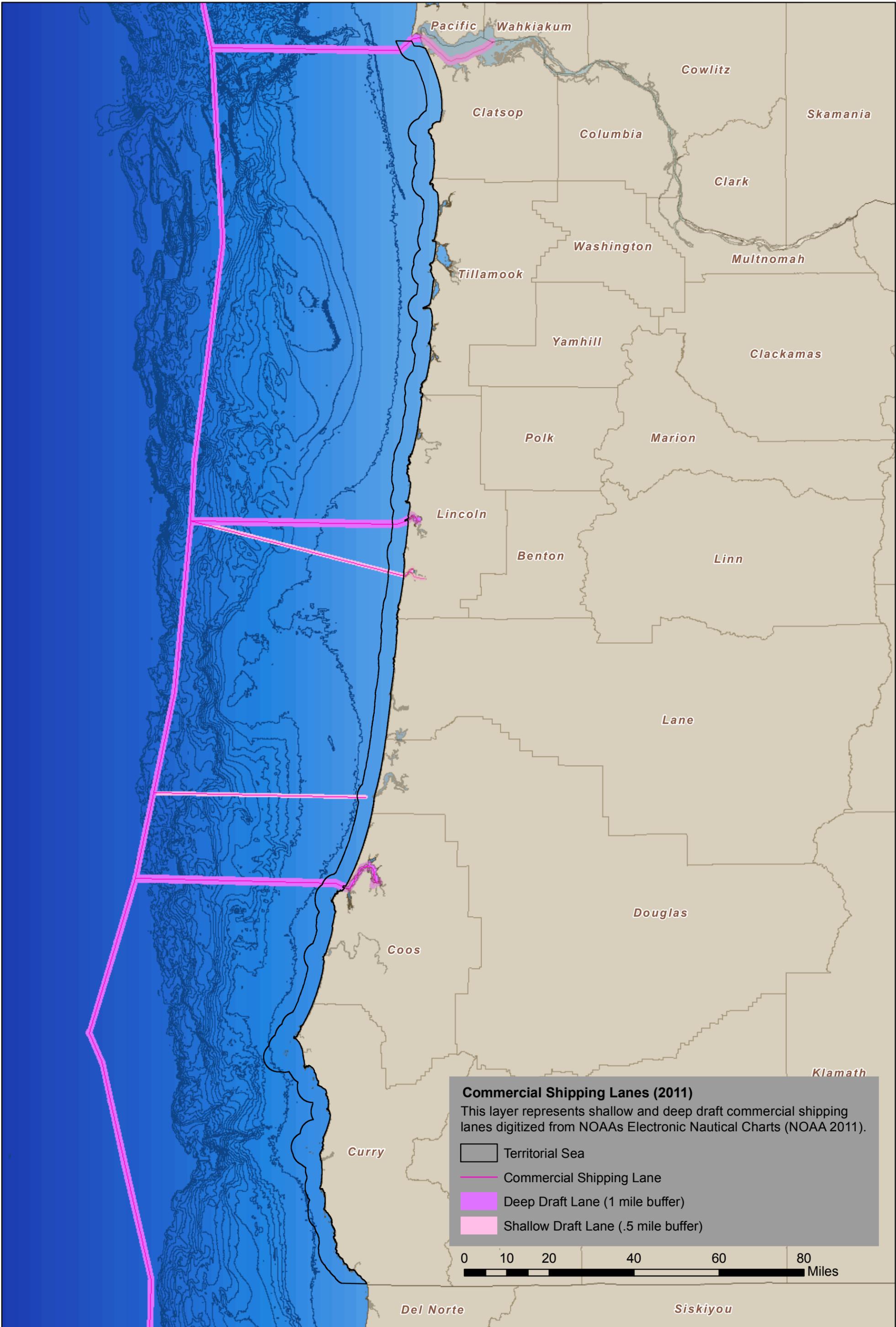
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - Dredge Material Disposal



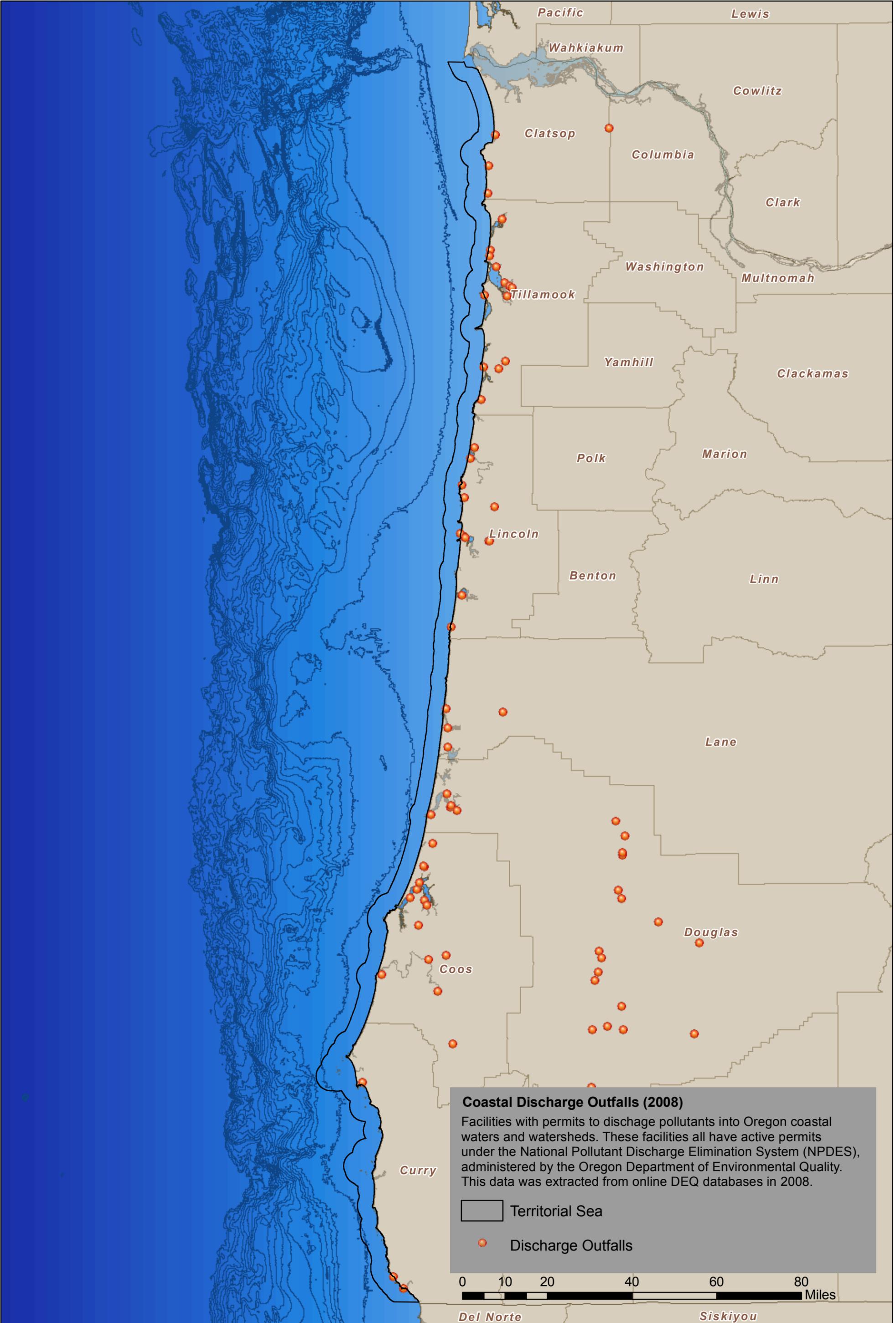
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - Commercial Shipping Lanes



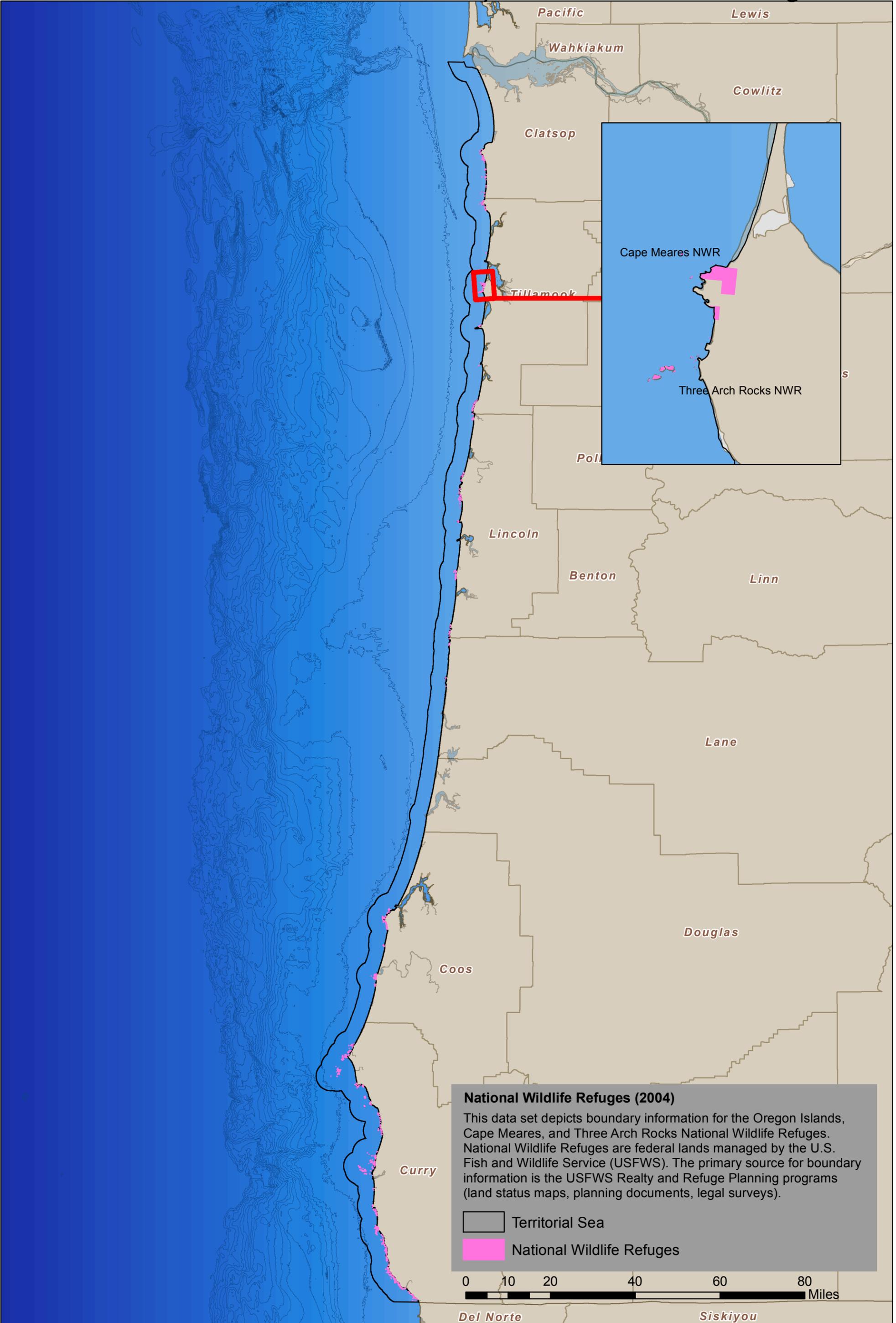
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - Coastal Discharge Outfalls



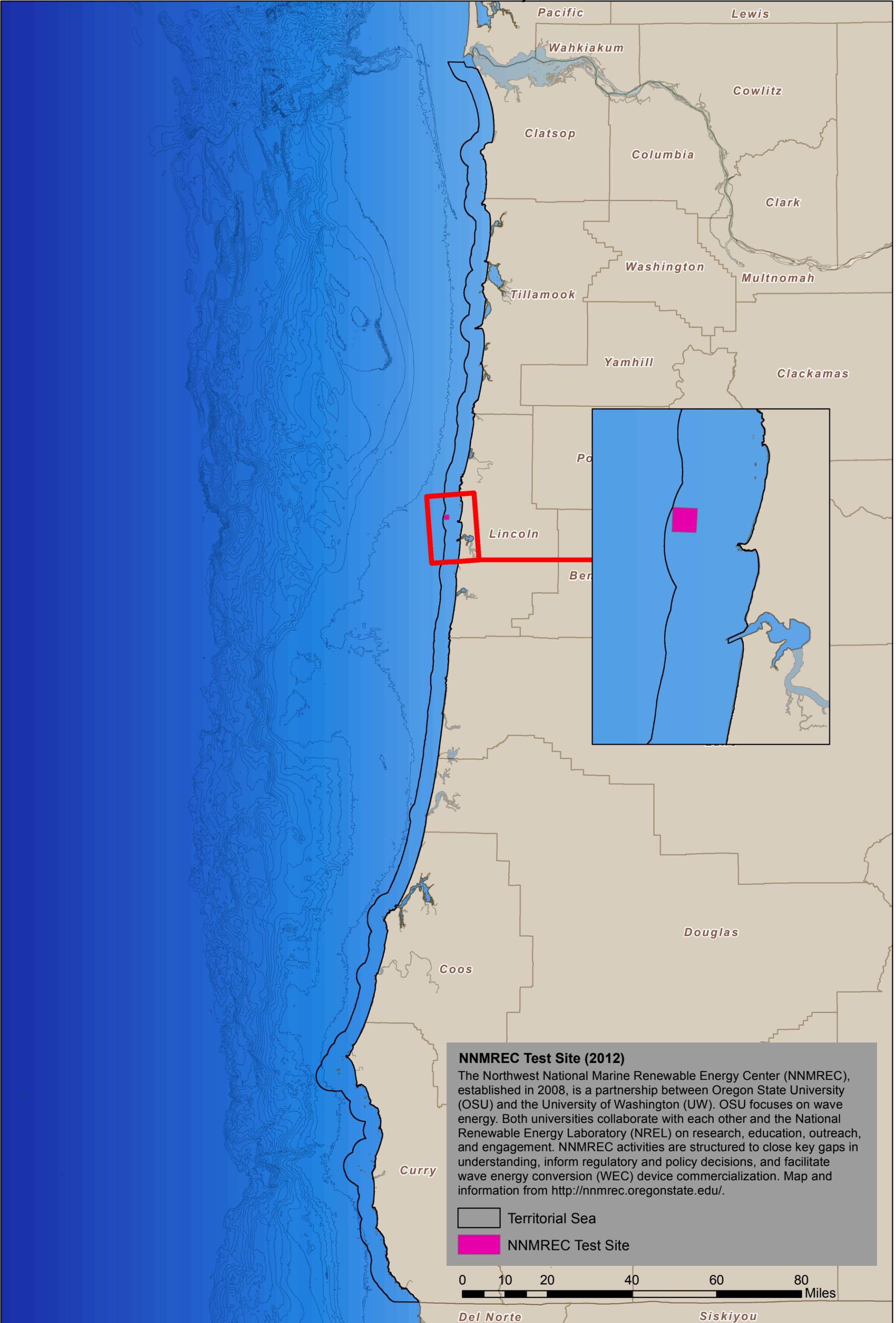
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - National Wildlife Refuges



# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - NNMREC Test Site



### NNMREC Test Site (2012)

The Northwest National Marine Renewable Energy Center (NNMREC), established in 2008, is a partnership between Oregon State University (OSU) and the University of Washington (UW). OSU focuses on wave energy. Both universities collaborate with each other and the National Renewable Energy Laboratory (NREL) on research, education, outreach, and engagement. NNMREC activities are structured to close key gaps in understanding, inform regulatory and policy decisions, and facilitate wave energy conversion (WEC) device commercialization. Map and information from <http://nnmrec.oregonstate.edu/>.

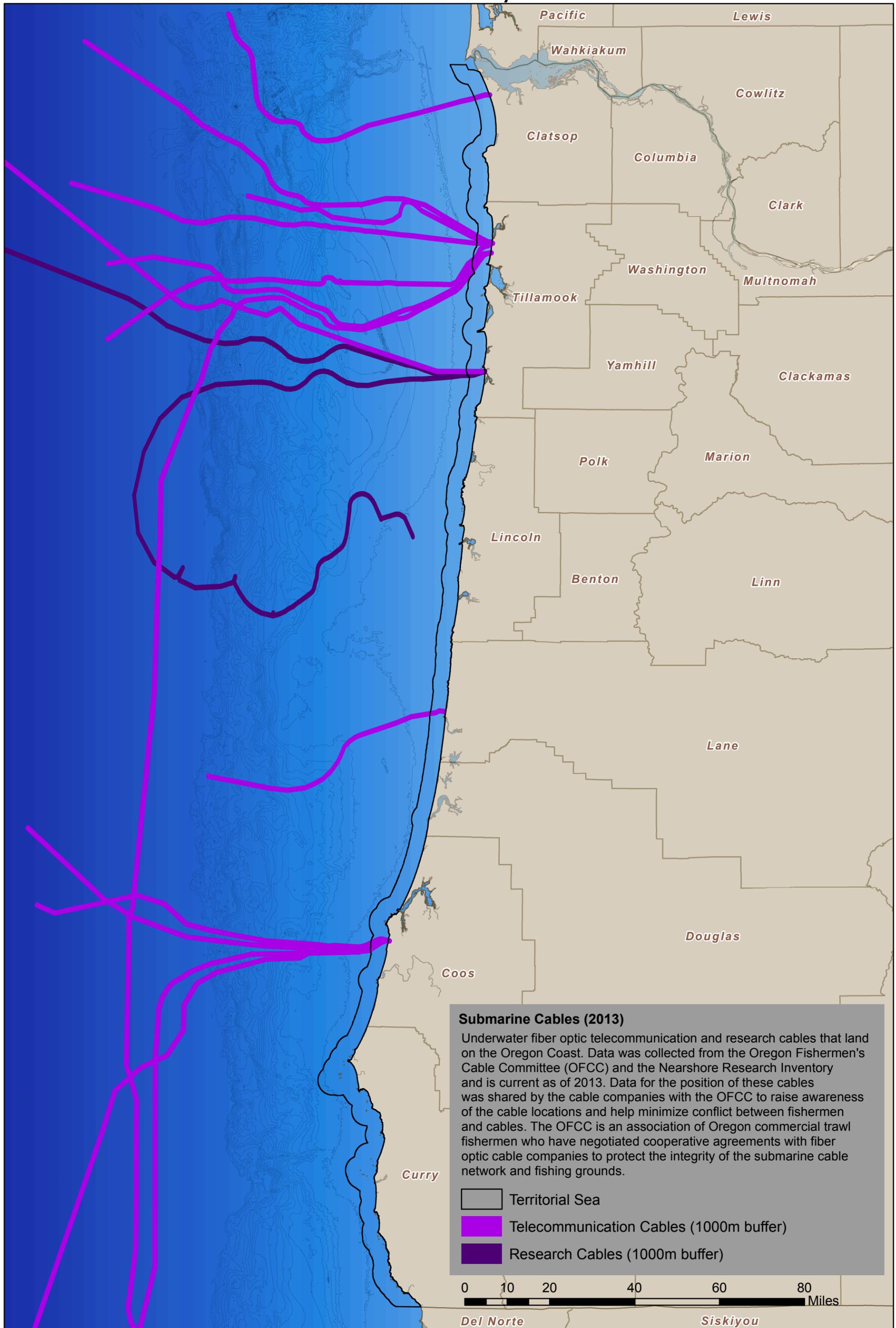
Territorial Sea

NNMREC Test Site

0 10 20 40 60 80 Miles

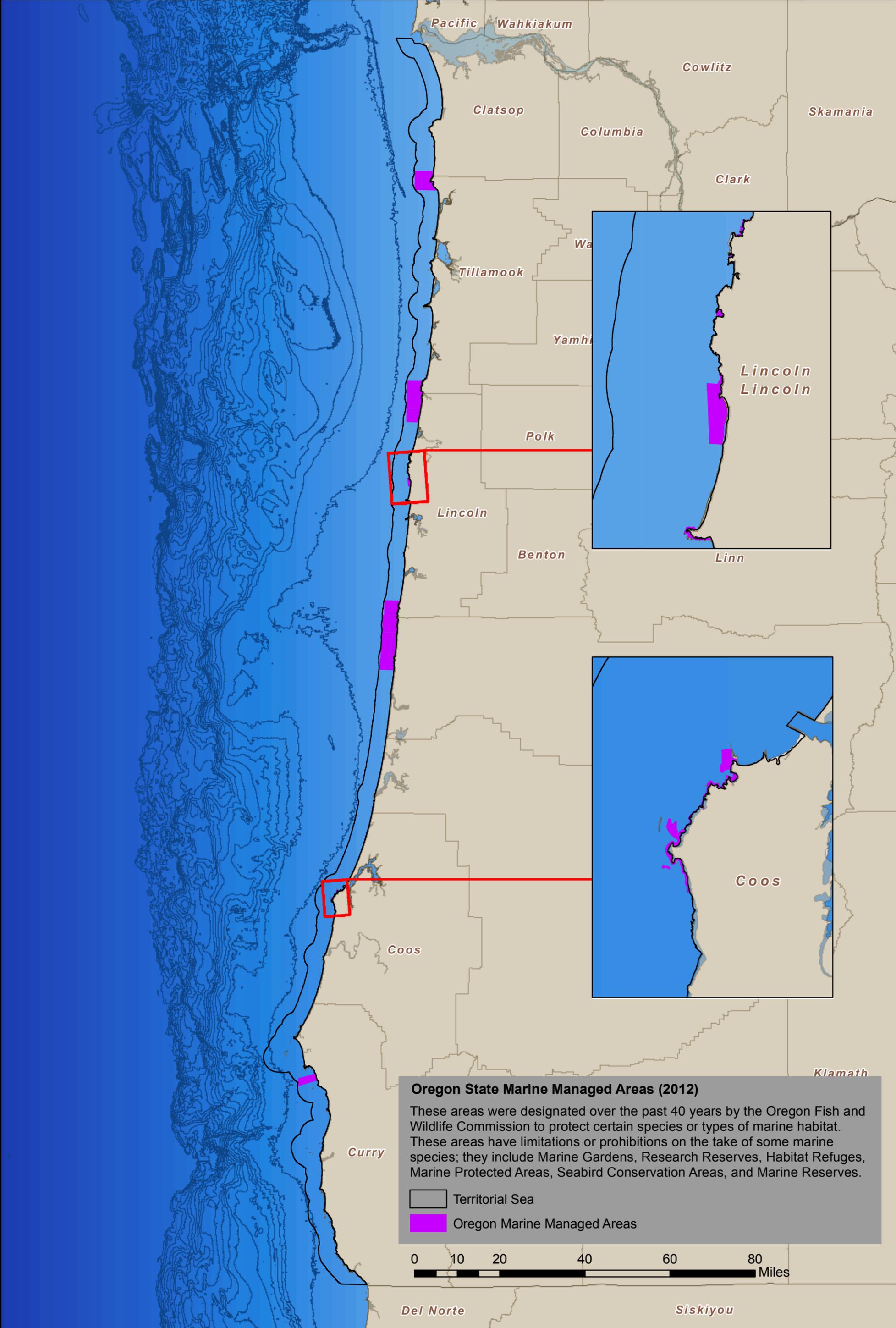
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - Submarine Cables



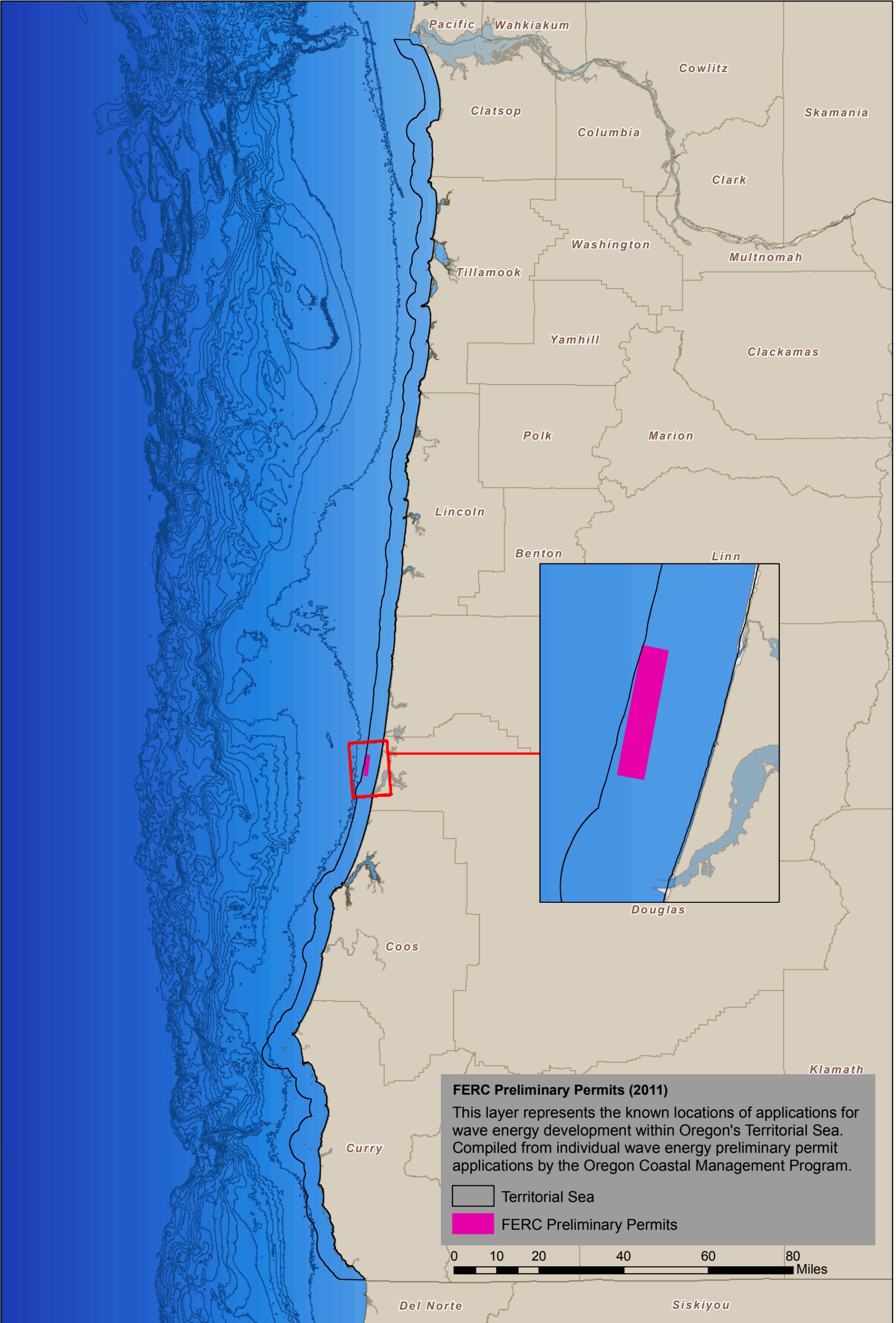
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - State Marine Managed Areas



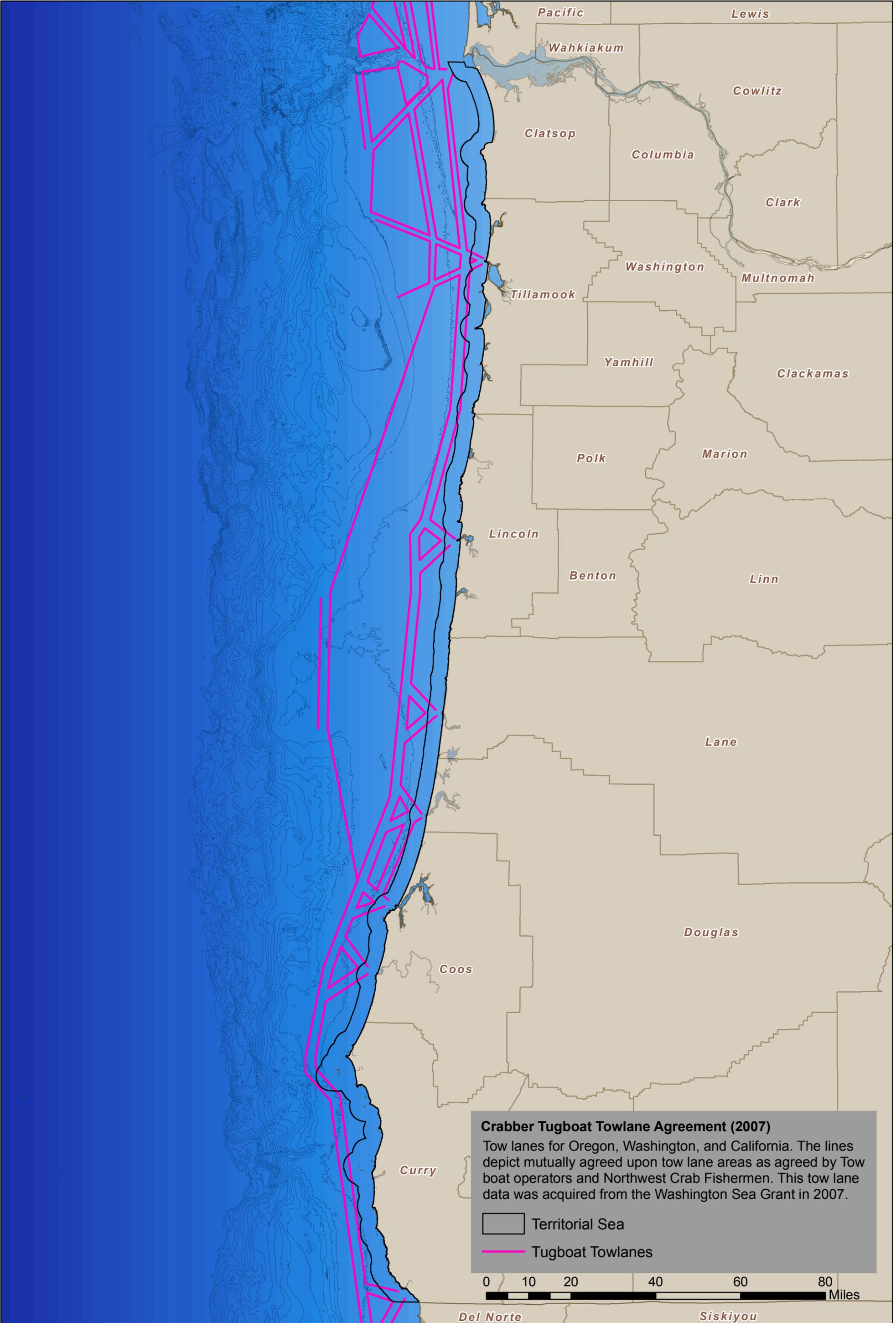
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - FERC Preliminary Permits



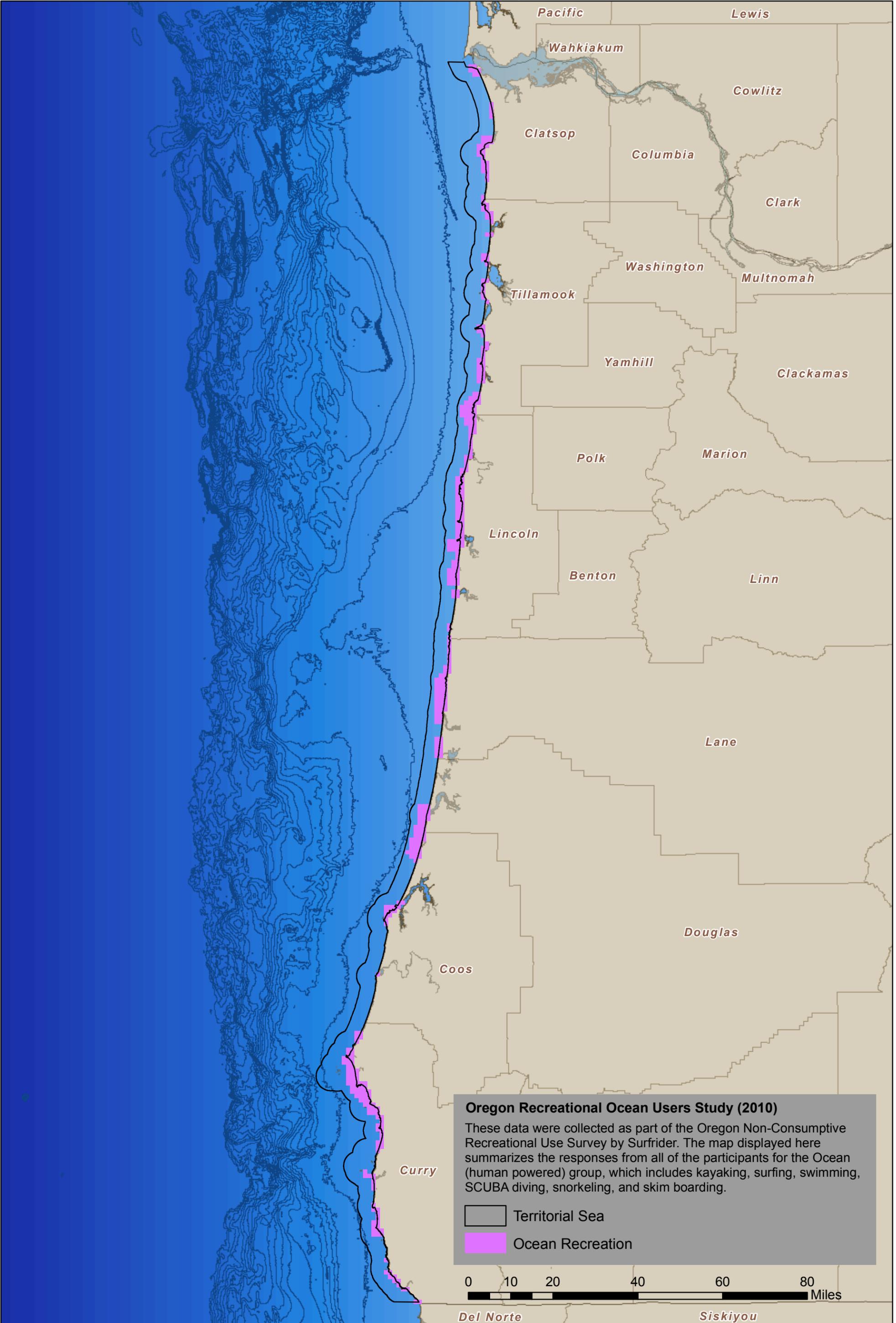
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - Tugboat Towlanes



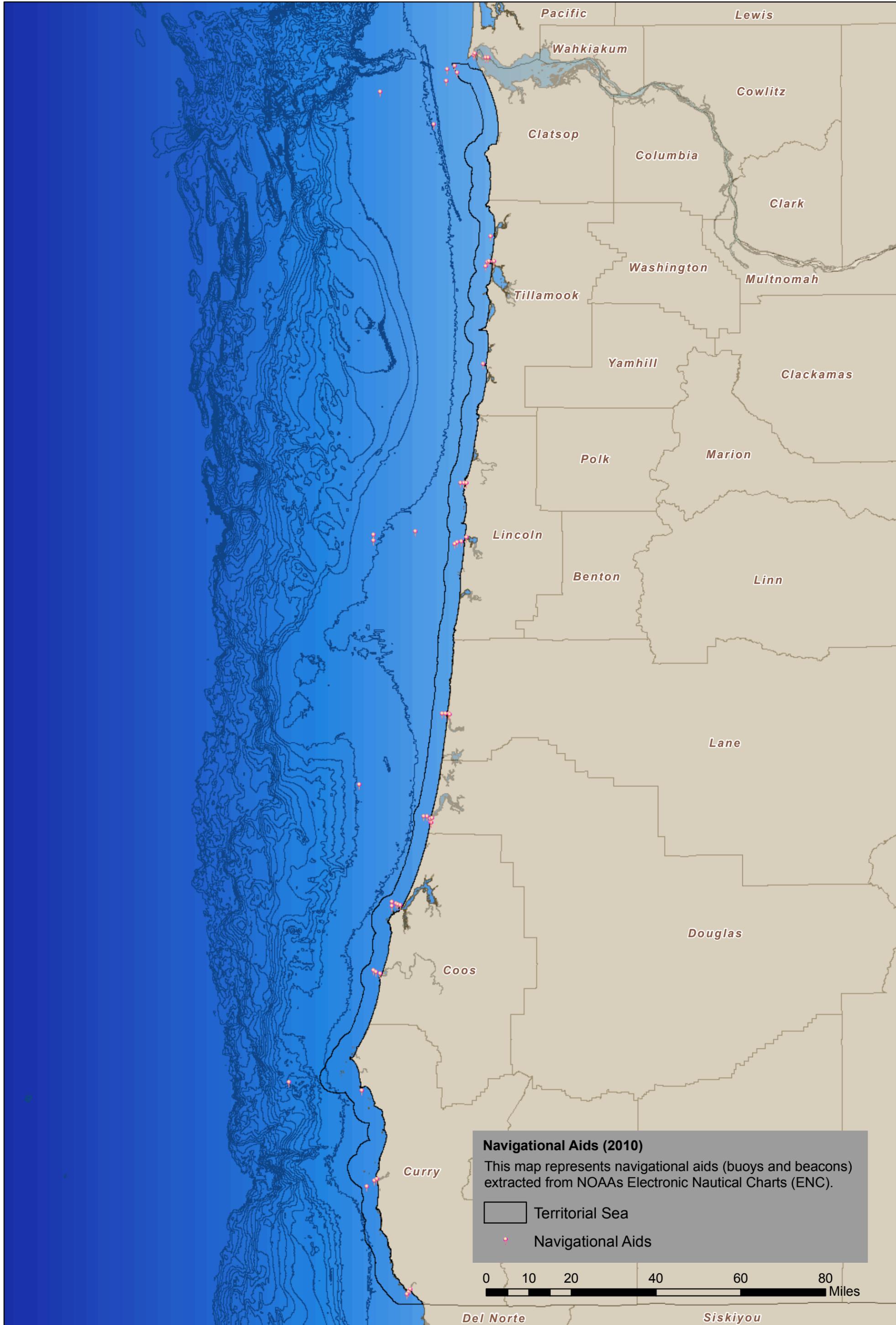
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - Ocean Recreation



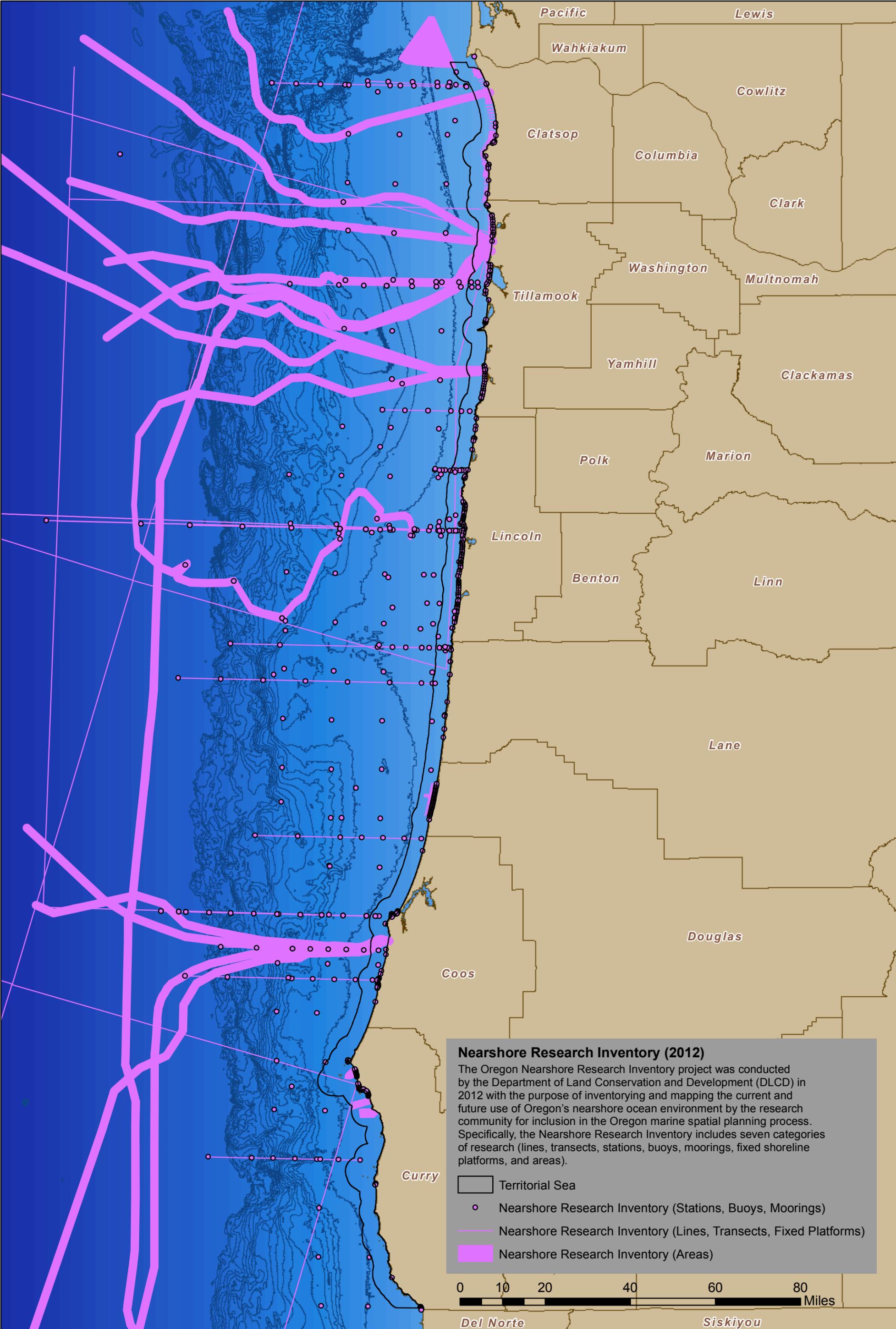
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - Navigational Aids



# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - Nearshore Research Inventory



**Nearshore Research Inventory (2012)**

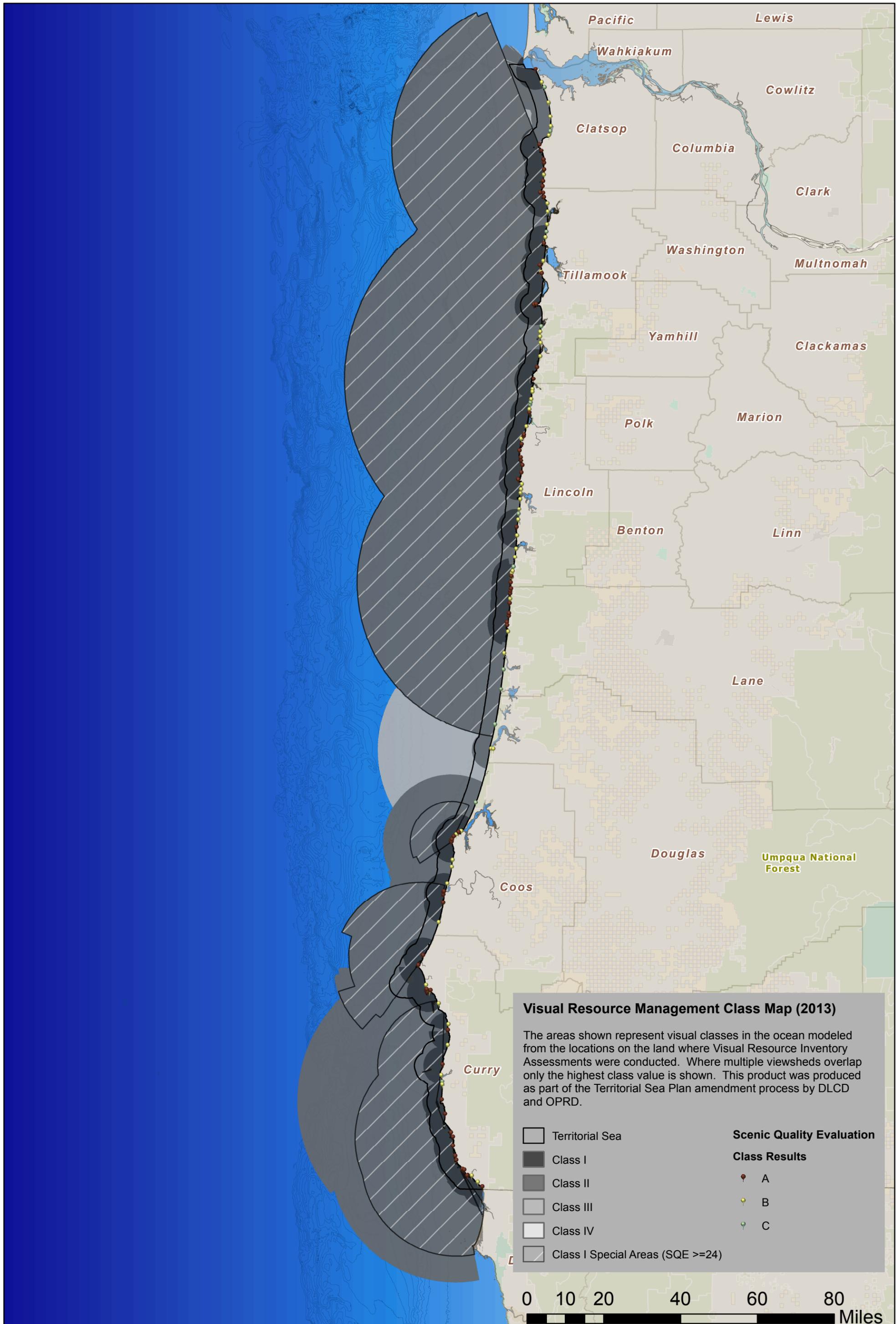
The Oregon Nearshore Research Inventory project was conducted by the Department of Land Conservation and Development (DLCD) in 2012 with the purpose of inventorying and mapping the current and future use of Oregon's nearshore ocean environment by the research community for inclusion in the Oregon marine spatial planning process. Specifically, the Nearshore Research Inventory includes seven categories of research (lines, transects, stations, buoys, moorings, fixed shoreline platforms, and areas).

- Territorial Sea
- Nearshore Research Inventory (Stations, Buoys, Moorings)
- Nearshore Research Inventory (Lines, Transects, Fixed Platforms)
- Nearshore Research Inventory (Areas)



# Territorial Sea Plan Part Five Appendix B - Plan Map

## Beneficial Uses Resource Inventory - Visual Resource Class Map



**Visual Resource Management Class Map (2013)**

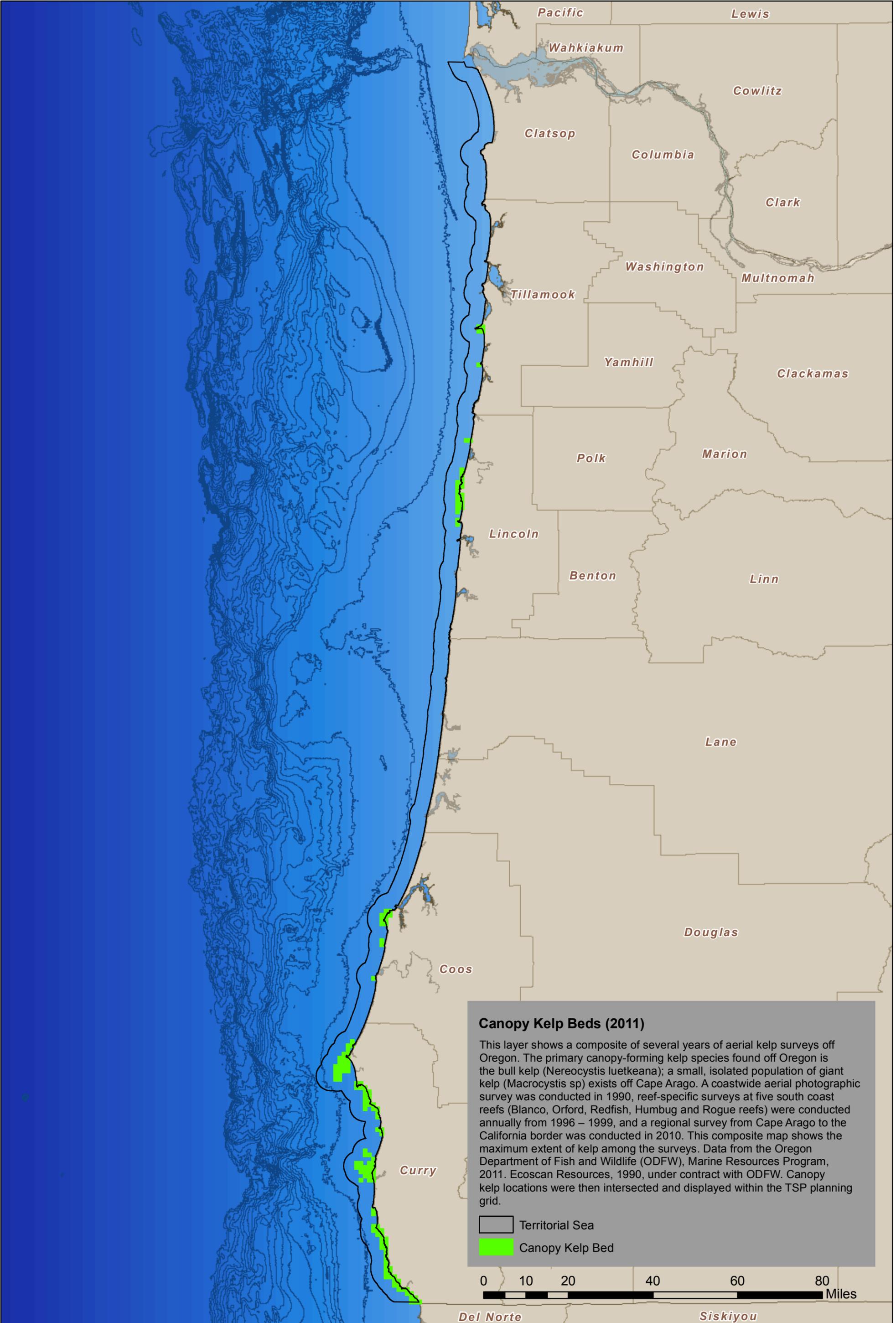
The areas shown represent visual classes in the ocean modeled from the locations on the land where Visual Resource Inventory Assessments were conducted. Where multiple viewsheds overlap only the highest class value is shown. This product was produced as part of the Territorial Sea Plan amendment process by DLC and OPRD.

<ul style="list-style-type: none"> <li> Territorial Sea</li> <li> Class I</li> <li> Class II</li> <li> Class III</li> <li> Class IV</li> <li> Class I Special Areas (SQE &gt;=24)</li> </ul>	<p><b>Scenic Quality Evaluation Class Results</b></p> <ul style="list-style-type: none"> <li> A</li> <li> B</li> <li> C</li> </ul>
--	---



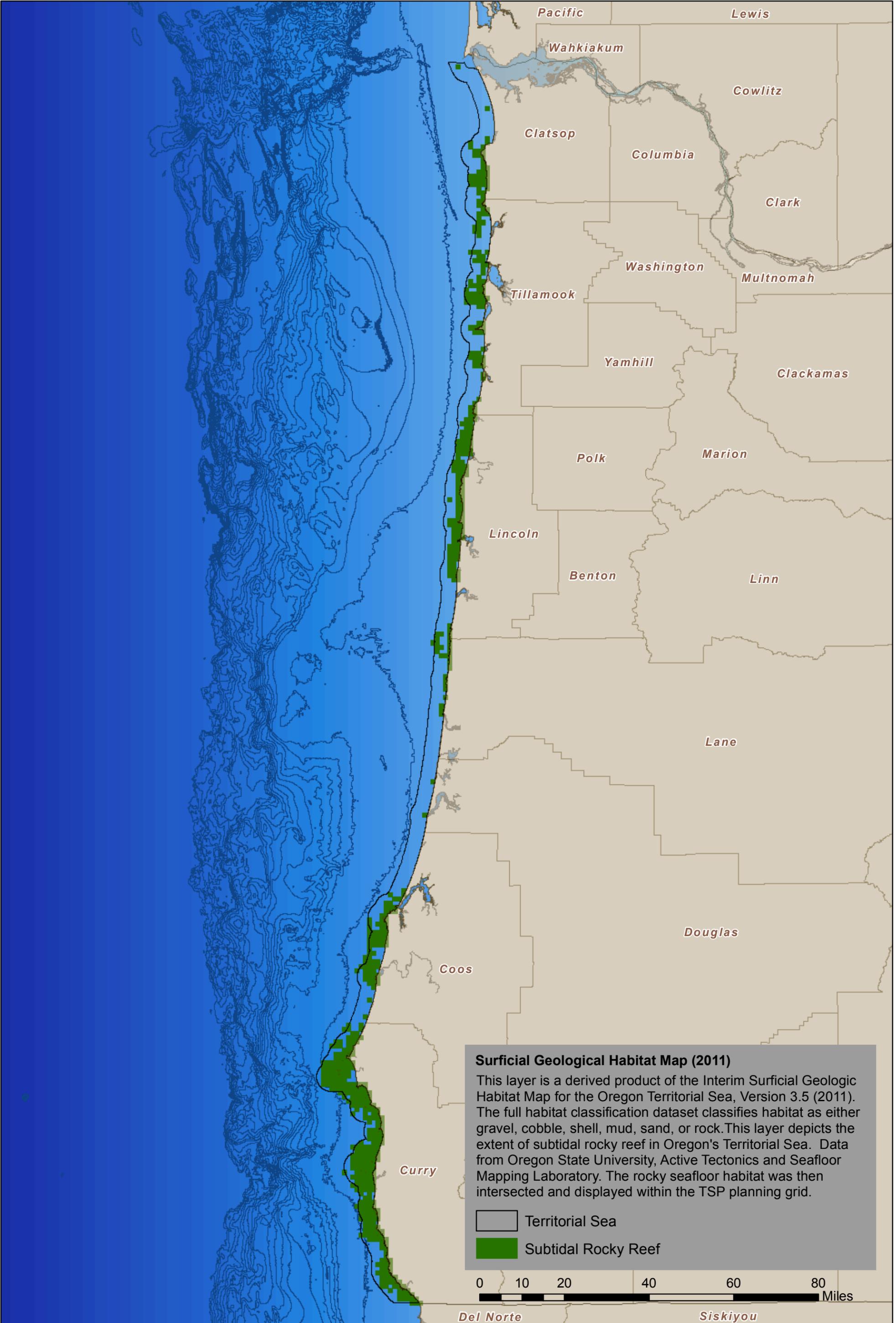
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Ecological Resource Inventory - Canopy Kelp Beds



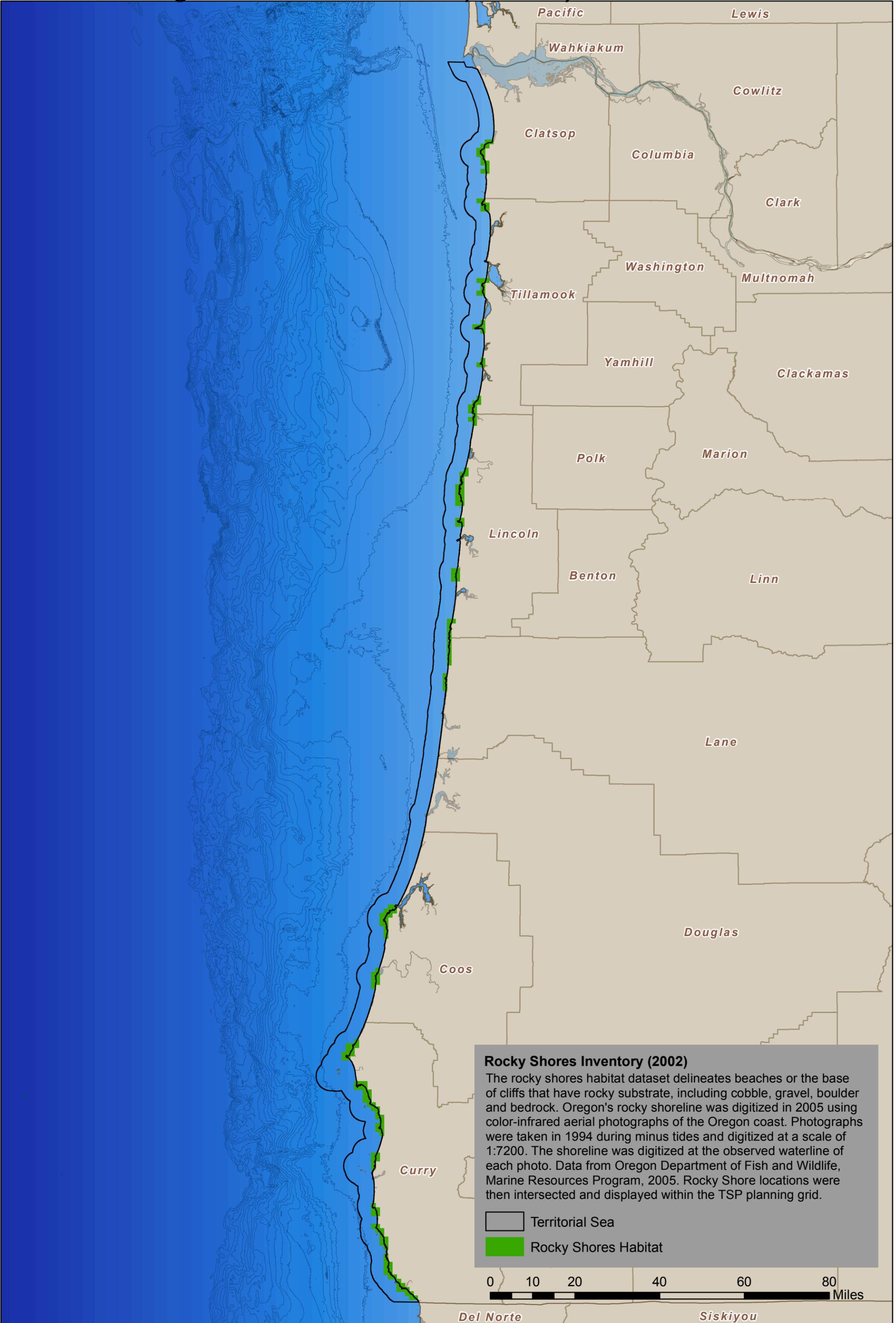
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Ecological Resource Inventory - Subtidal Rocky Reef



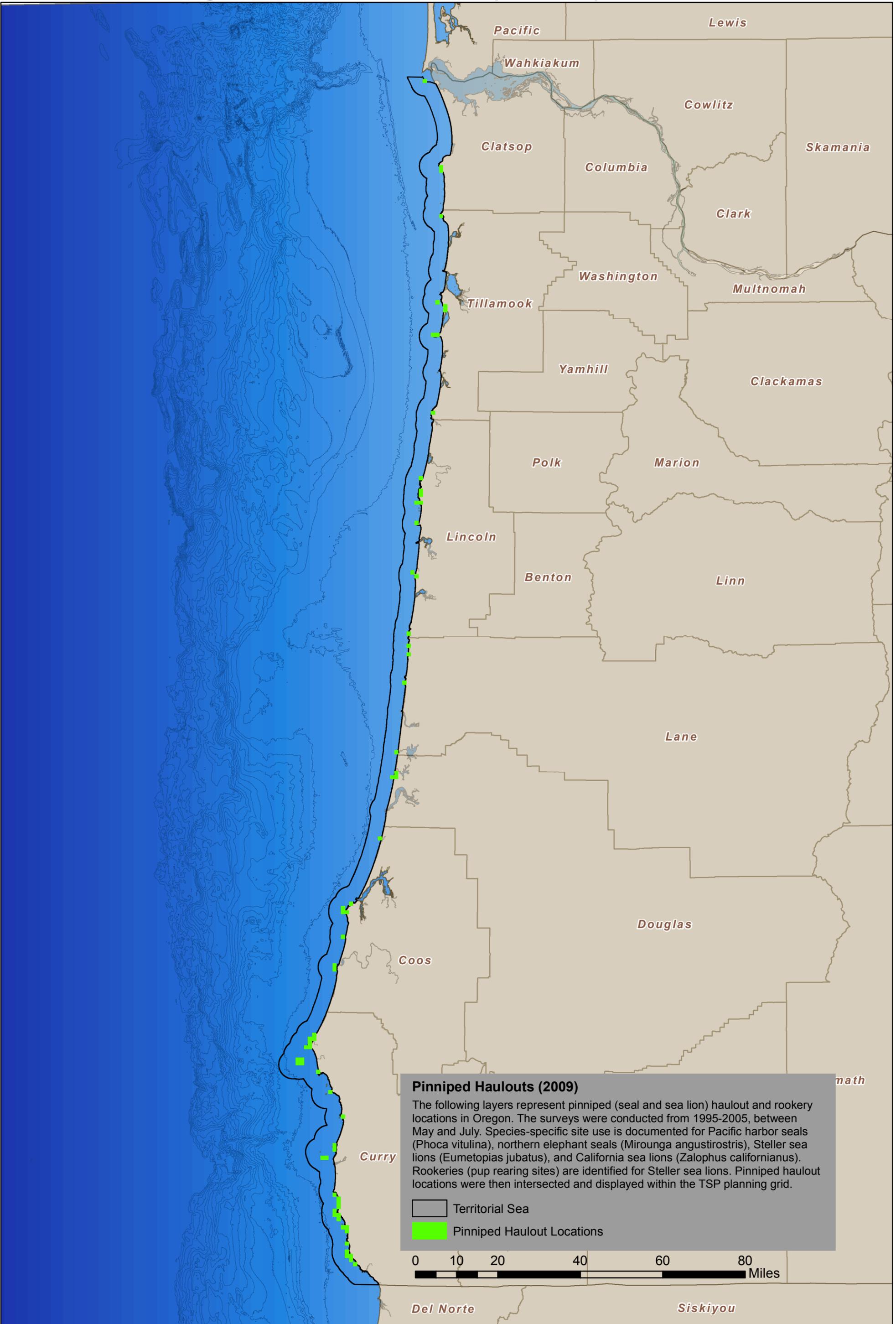
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Ecological Resource Inventory - Rocky Shores Habitat



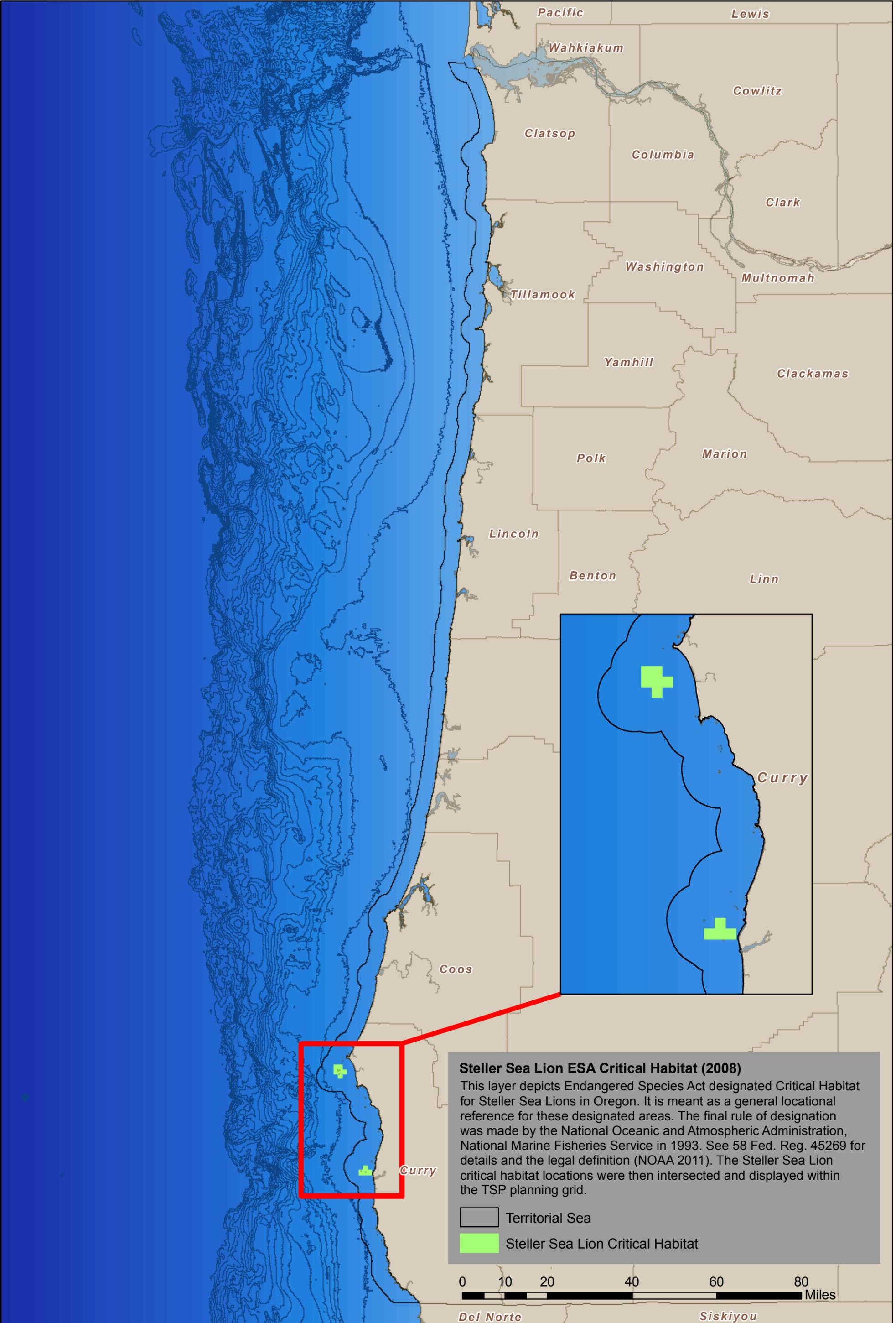
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Ecological Resource Inventory - Pinniped Haulouts



# Territorial Sea Plan Part Five Appendix B - Plan Map

## Ecological Resource Inventory - Steller Sea Lion Critical Habitat



### Steller Sea Lion ESA Critical Habitat (2008)

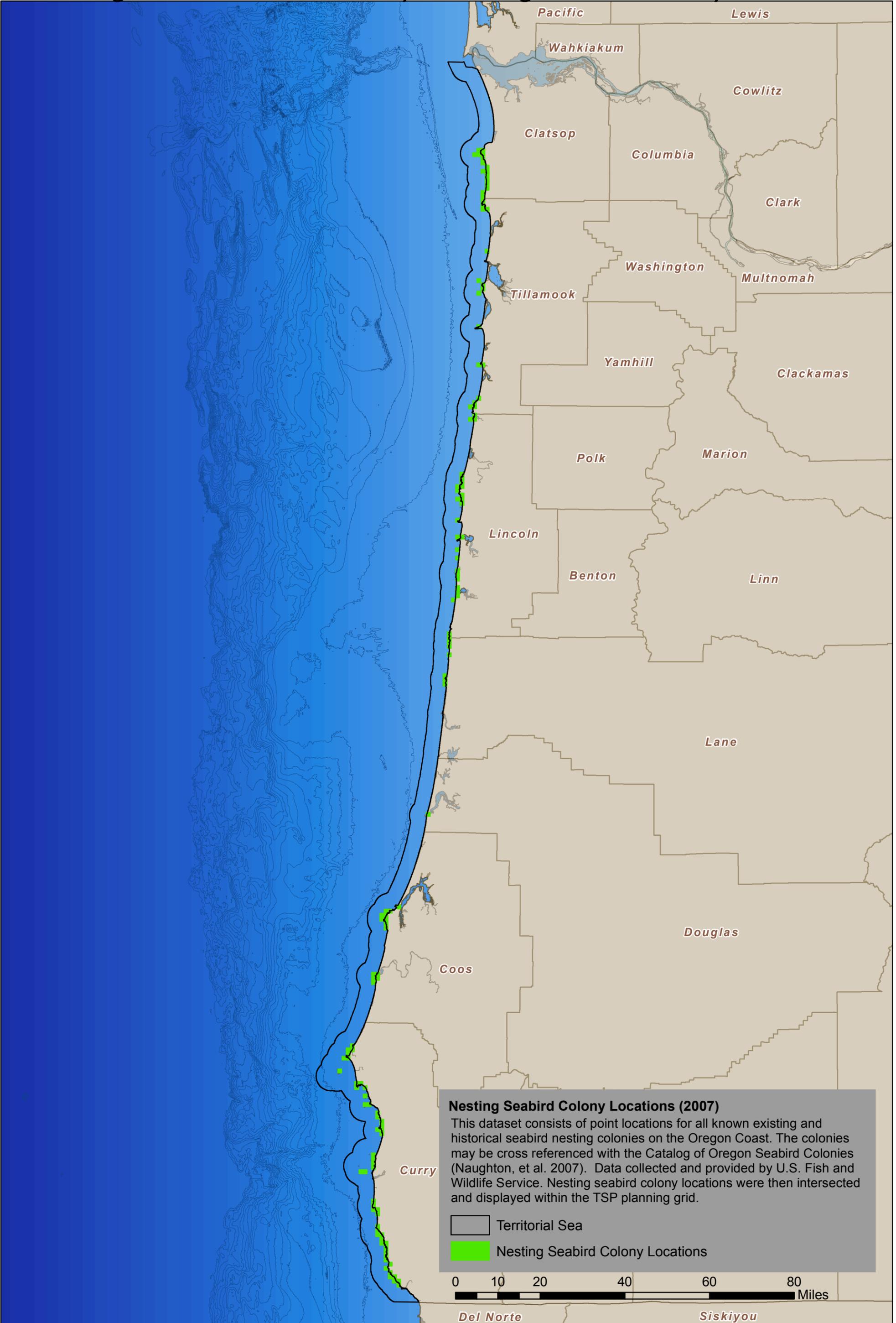
This layer depicts Endangered Species Act designated Critical Habitat for Steller Sea Lions in Oregon. It is meant as a general locational reference for these designated areas. The final rule of designation was made by the National Oceanic and Atmospheric Administration, National Marine Fisheries Service in 1993. See 58 Fed. Reg. 45269 for details and the legal definition (NOAA 2011). The Steller Sea Lion critical habitat locations were then intersected and displayed within the TSP planning grid.

-  Territorial Sea
-  Steller Sea Lion Critical Habitat

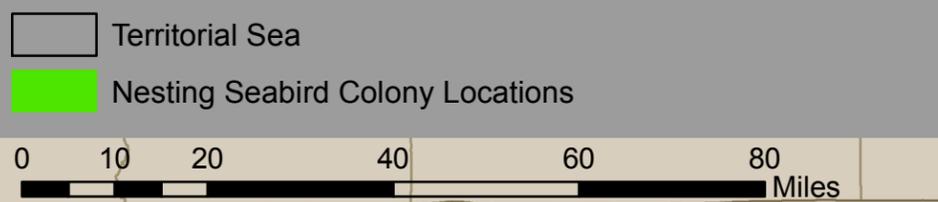


# Territorial Sea Plan Part Five Appendix B - Plan Map

## Ecological Resource Inventory - Nesting Seabird Colony Locations

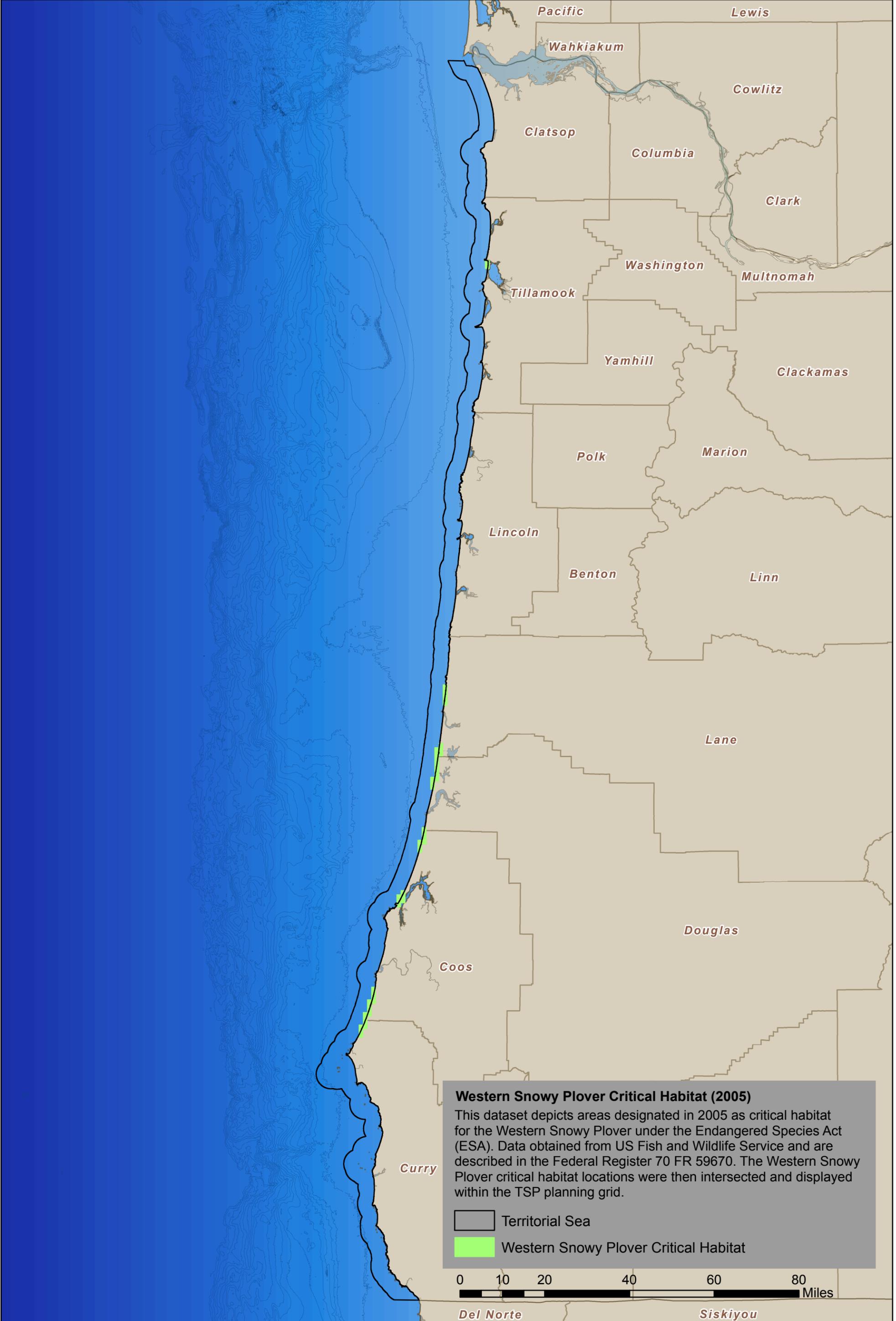


**Nesting Seabird Colony Locations (2007)**  
This dataset consists of point locations for all known existing and historical seabird nesting colonies on the Oregon Coast. The colonies may be cross referenced with the Catalog of Oregon Seabird Colonies (Naughton, et al. 2007). Data collected and provided by U.S. Fish and Wildlife Service. Nesting seabird colony locations were then intersected and displayed within the TSP planning grid.



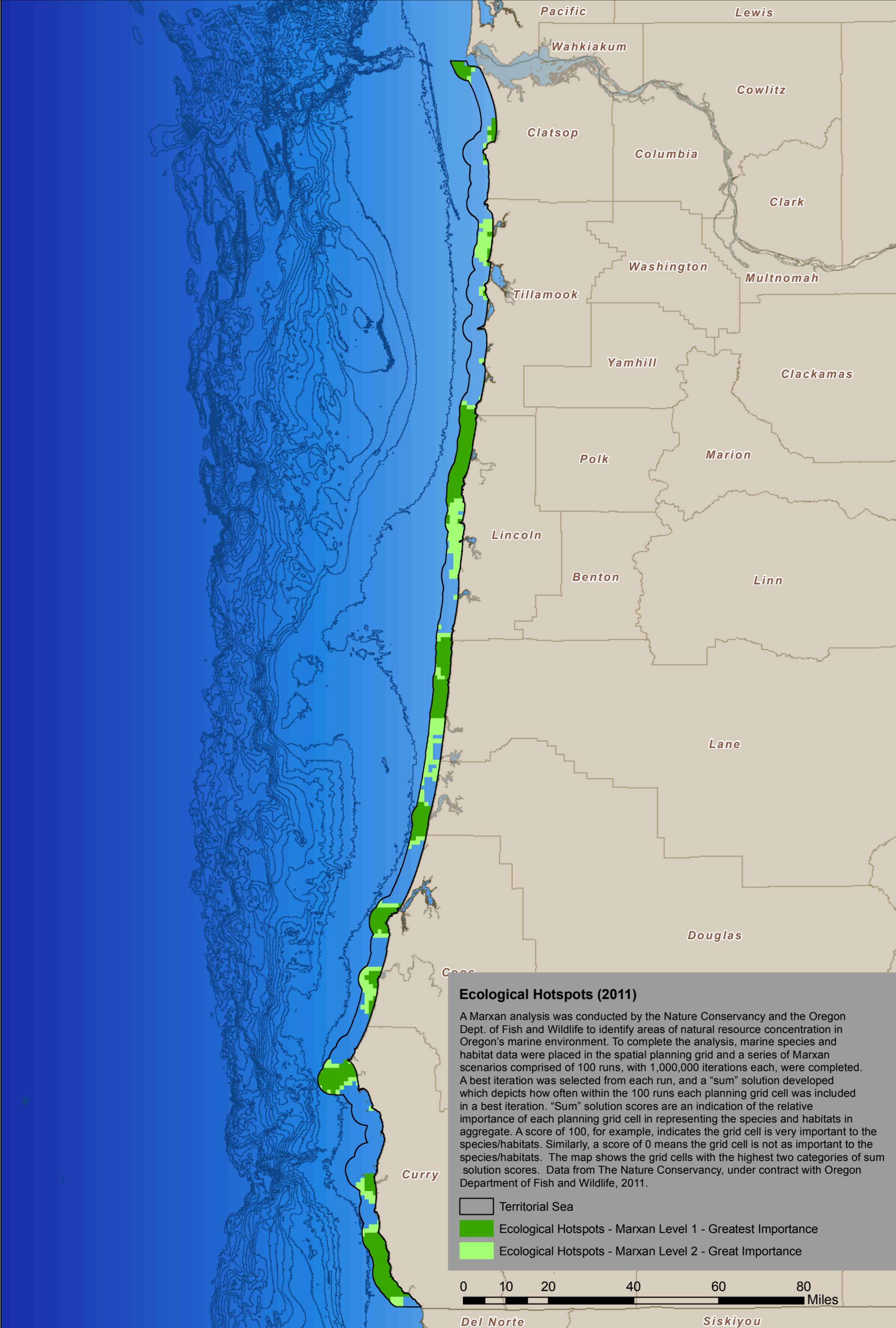
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Ecological Resource Inventory - Western Snowy Plover Critical Habitat



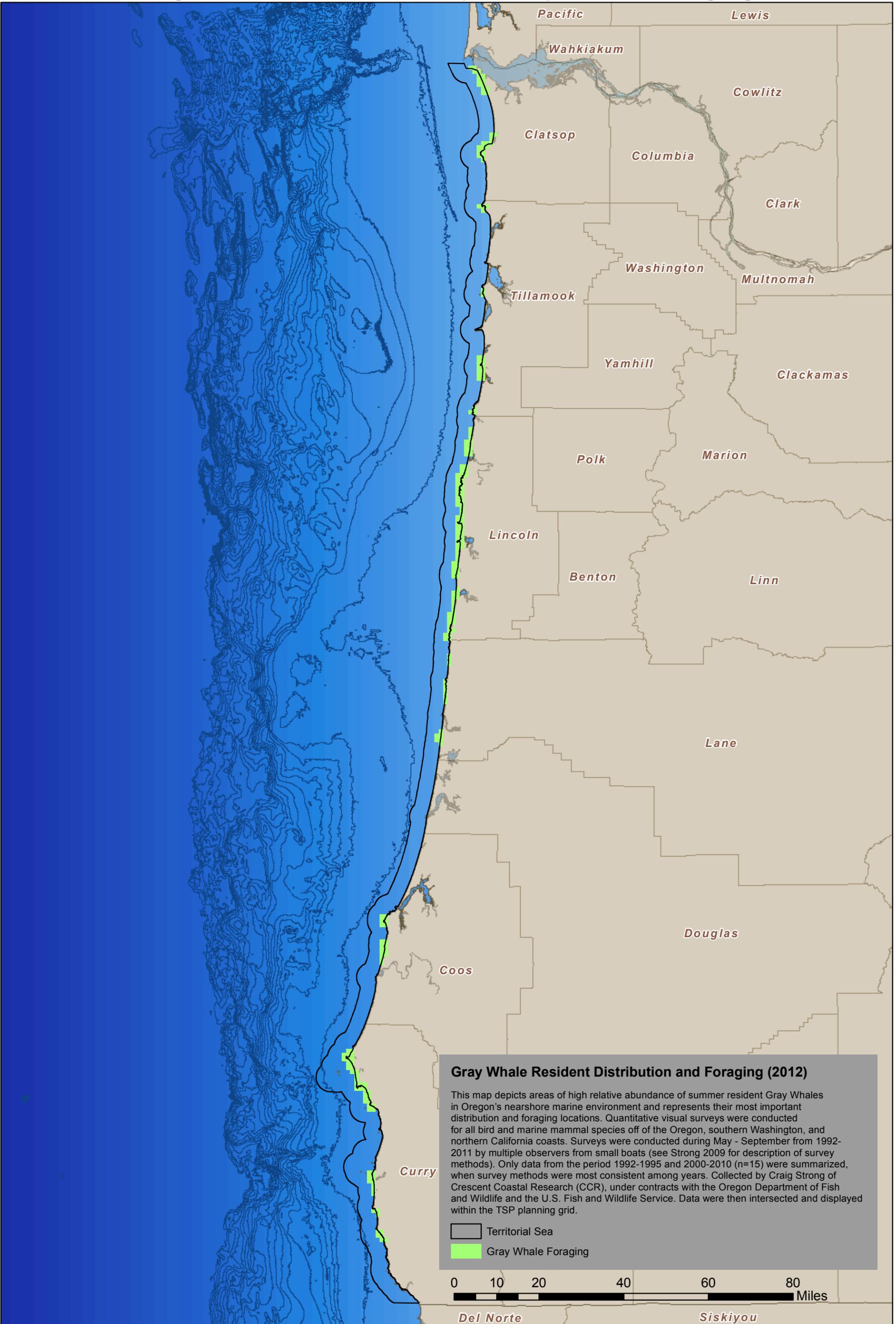
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Ecological Resource Inventory - Ecological Hotspots



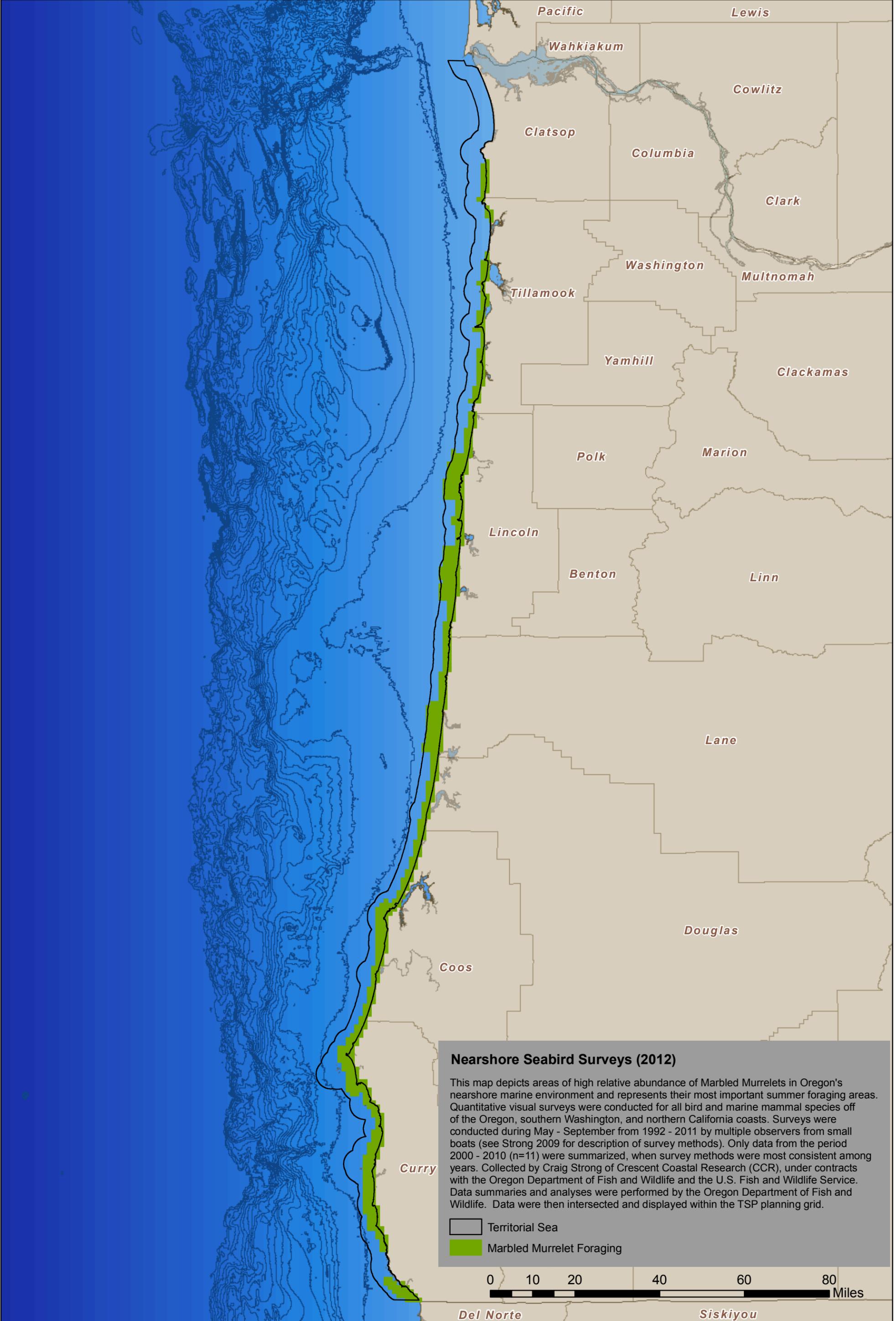
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Ecological Resource Inventory - Gray Whale Foraging



# Territorial Sea Plan Part Five Appendix B - Plan Map

## Ecological Resource Inventory - Marbled Murrelet Foraging



### Nearshore Seabird Surveys (2012)

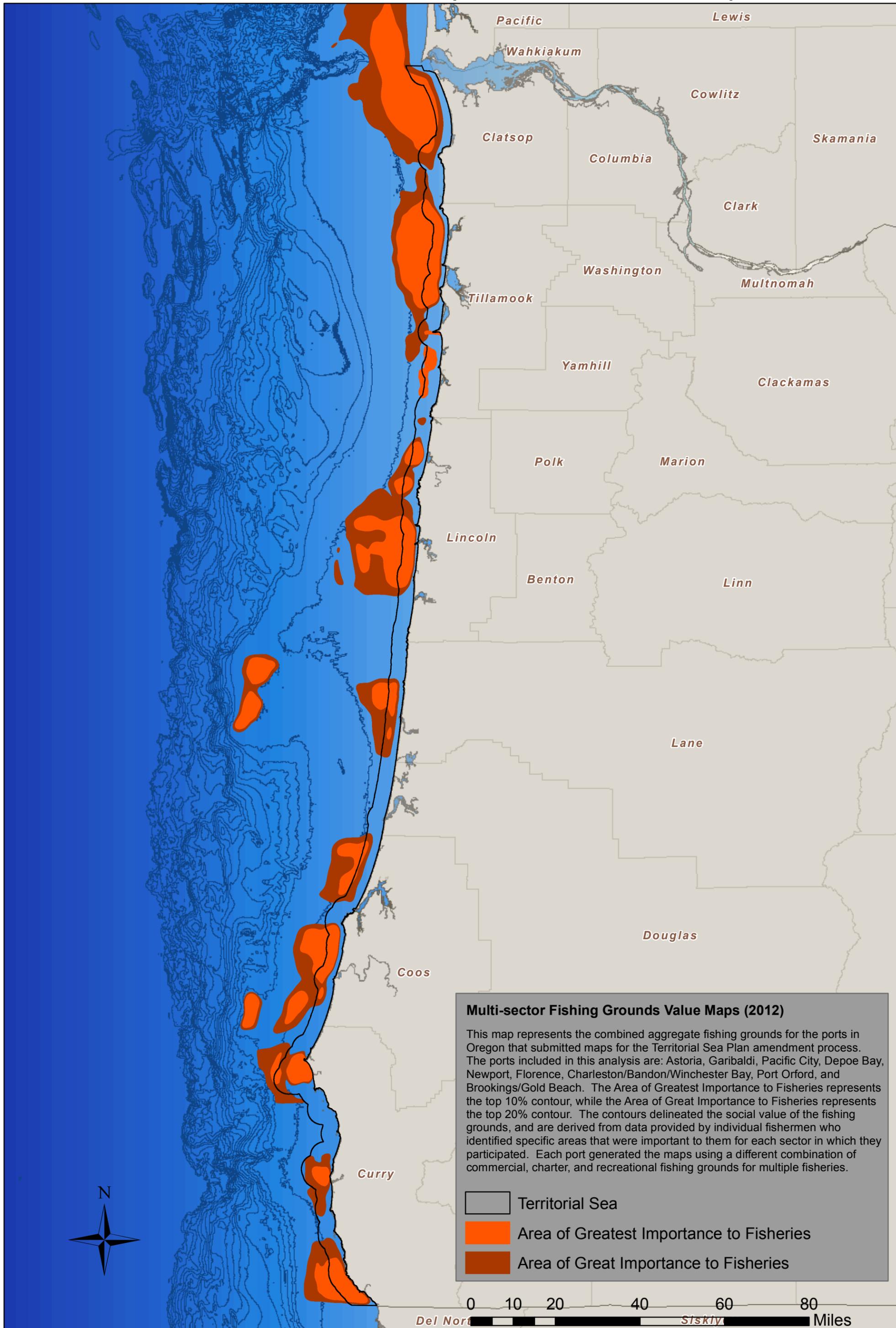
This map depicts areas of high relative abundance of Marbled Murrelets in Oregon's nearshore marine environment and represents their most important summer foraging areas. Quantitative visual surveys were conducted for all bird and marine mammal species off of the Oregon, southern Washington, and northern California coasts. Surveys were conducted during May - September from 1992 - 2011 by multiple observers from small boats (see Strong 2009 for description of survey methods). Only data from the period 2000 - 2010 (n=11) were summarized, when survey methods were most consistent among years. Collected by Craig Strong of Crescent Coastal Research (CCR), under contracts with the Oregon Department of Fish and Wildlife and the U.S. Fish and Wildlife Service. Data summaries and analyses were performed by the Oregon Department of Fish and Wildlife. Data were then intersected and displayed within the TSP planning grid.

-  Territorial Sea
-  Marbled Murrelet Foraging



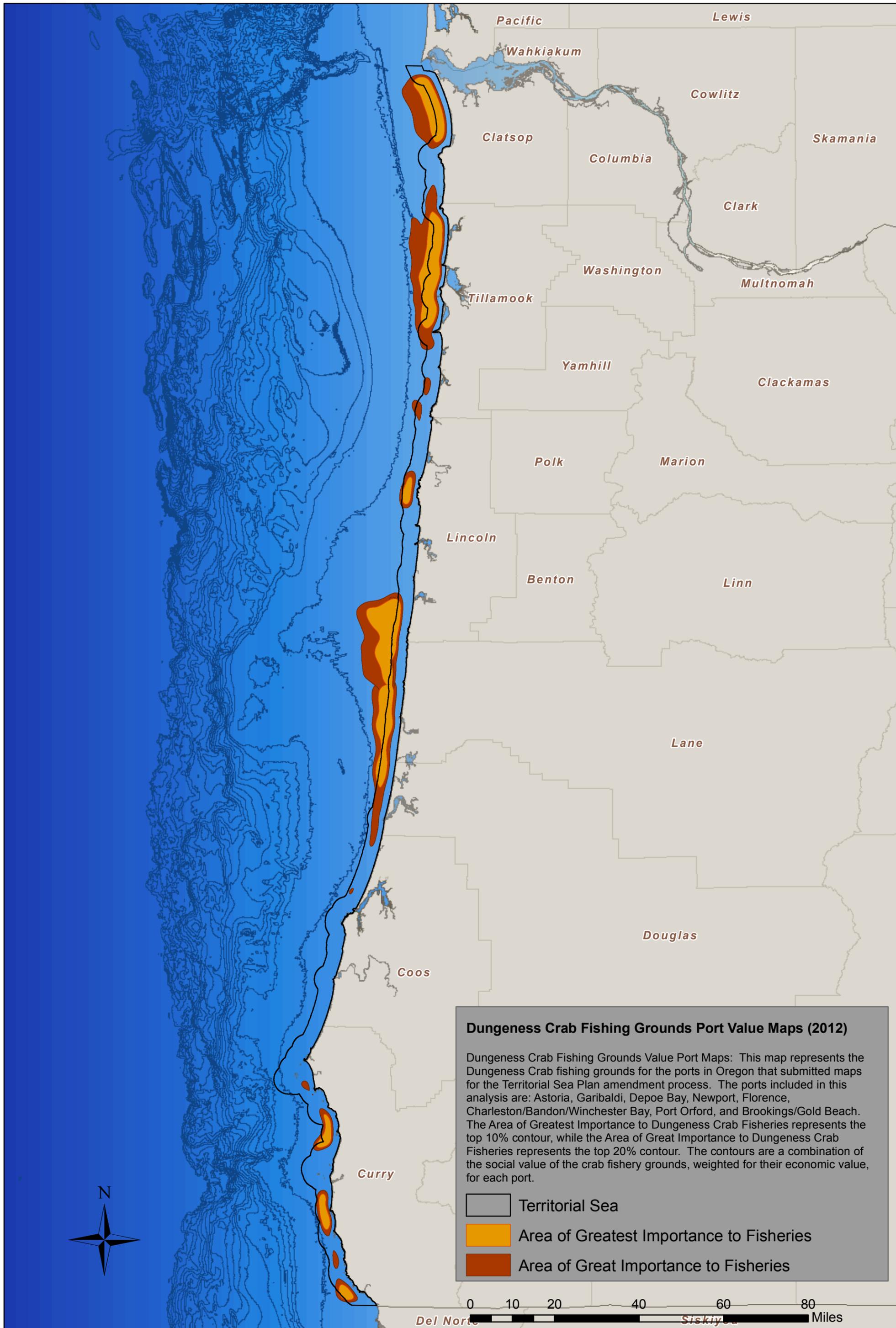
# Territorial Sea Plan Part Five Appendix B - Plan Map

## Fisheries Resource Inventory - Multisector Port Maps



# Territorial Sea Plan Part Five Appendix B - Plan Map

## Fisheries Resource Inventory - Dungeness Crab Port Fishery Maps



### Dungeness Crab Fishing Grounds Port Value Maps (2012)

Dungeness Crab Fishing Grounds Value Port Maps: This map represents the Dungeness Crab fishing grounds for the ports in Oregon that submitted maps for the Territorial Sea Plan amendment process. The ports included in this analysis are: Astoria, Garibaldi, Depoe Bay, Newport, Florence, Charleston/Bandon/Winchester Bay, Port Orford, and Brookings/Gold Beach. The Area of Greatest Importance to Dungeness Crab Fisheries represents the top 10% contour, while the Area of Great Importance to Dungeness Crab Fisheries represents the top 20% contour. The contours are a combination of the social value of the crab fishery grounds, weighted for their economic value, for each port.

- Territorial Sea
- Area of Greatest Importance to Fisheries
- Area of Great Importance to Fisheries

0 10 20 40 60 80 Miles

# Territorial Sea Plan Part Five Appendix B - Plan Map

## Fisheries Resource Inventory - Dungeness Crab Statewide Map

